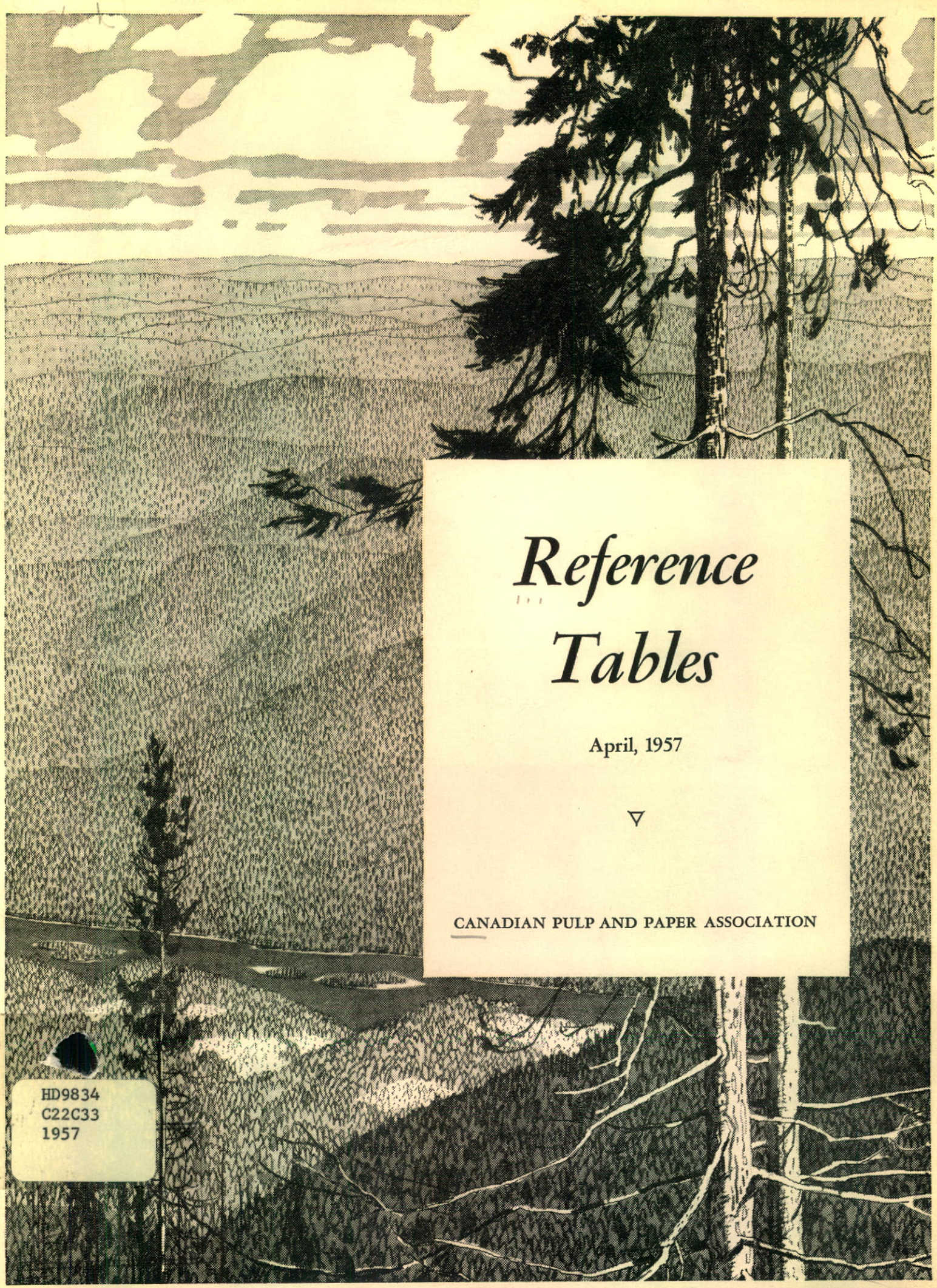

Reference Tables

April, 1957

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CANADIAN PULP AND PAPER ASSOCIATION

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CREATIVE CONSERVATION

The cover drawing of an eastern Canadian forest scene is by Franklin Arbuckle, R.C.A. Working in the woodlands, pulp and paper foresters have given new life and meaning to forest conservation. They manage the forests on a sustained yield basis. They harvest trees at the stage of their greatest value and utility. They encourage regrowth. They nurture young trees. And the modern operating methods they employ permit the more rapid growth of future harvests. Through forest management, they conserve by creating, thereby assuring wood harvests for the continuing and increasing needs of tomorrow.

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Introduction

These tables annually present a succinct picture of pulp and paper operations, their intimate relationship with the forest resources and the forest crop, and something, too, of the importance of the industry in the economy of Canada.

Every effort has been made to include herein as many 1956 figures as possible; but in many instances it has been impossible either to obtain the 1956 figures or to provide informed estimates. Particularly is this so of 1956 dollar value figures many of which will not be available from government sources until the end of 1957.

While the material herein is clearly set forth in the index, it should be noted that Section "B" contains a summary of the industry's operations for 1955, and relates the production and markets of that year to the pulpwood harvest. Section "F" contains figures revealing not only the national significance of the industry, but also general statistics covering its operations as a whole.

In Section "D", the Newfoundland statistics have been consolidated, unless otherwise noted, with those of Canada for all years. Elsewhere, Newfoundland figures have been consolidated with those of Canada only since 1949 as prior to that year they were not compiled on the same basis as those of the Dominion Bureau of Statistics. The figures covering Newfoundland's production up to 1948 will be found in Tables 32, 43, and 68.

The publication of these tables has largely been made possible through the kindly aid of L. J. Pouliot, chief of the Forestry Section of the Dominion Bureau of Statistics; and to him grateful acknowledgment is made.

Montreal
April
1957

"A"—FORESTS AND PULPWOOD

Table 1. Forest Extent — 1956

	Square Miles
Total Land Area of Canada (excluding rivers and lakes)	3,560,215
NET AREA (excluding rivers and lakes)	
Forested Areas of Canada	1,621,045
All of which, save for 275,800 square miles, lies within the ten provinces.	
Forested Areas Classed as Unproductive	782,028
Small trees in adverse locations not expected to reach merchantable size.	
Productive Forest Areas	839,017
Potentially Accessible Productive Forests	196,549
Accessible Productive Forests	642,468
About half of the accessible productive forest area bears trees large enough for use as saw timber (10 inches DBH and over); the remainder is smaller material.	

Source: Federal Forestry Branch.

Table 2. Forest Volume — 1956

In 000,000's of cubic feet of merchantable timber

Accessible Forests:	
Conifers	273,598
Broad-leaved	89,668
Presently Inaccessible Forests:	
Conifers	110,574
Broad-leaved	8,936

Source: Federal Forestry Branch.

Table 3. Forest Consumption

Average Annual Depletion 1945-1954*

Products Utilized:	000's of cu. ft.	% Utilized	% Depleted
Logs and bolts for domestic use	1,343,684	44.4	42.1
Logs and bolts for export	10,559	.4	.3
Pulpwood for domestic use	984,109	32.5	30.8
Pulpwood for export	170,574	5.6	5.4
Fuelwood	433,494	14.3	13.6
Ties, poles, pit-props, rails	62,080	2.1	2.0
Miscellaneous	19,553	.7	.6
	3,024,053	100.0	94.8
Wastage by Forest Fires**	166,010		5.2
	3,190,063		100.0

The figure for depletion does not include wastage caused by agencies other than fire, such as insects, diseases, and natural mortality, for which no reliable estimates are available.

* Revised statistics which are provisional pending final review by Dominion Bureau of Statistics. Newfoundland has been included.

** Excludes Newfoundland.

Source: Federal Forestry Branch.

Table 4. Forest Holdings — 1956

NET AREA
(excluding rivers and lakes)

Occupied Forest Lands:	Sq. Miles	Per Cent
Provincial Crown:		
Leases and licenses	180,228	21.5
Permits and sales	5,400	.6
	185,628	22.1
Federal Crown:		
Leases and licenses	317	*
Other lands	3,999	.5
	4,316	.5
Privately-owned:		
Farm woodlots	35,594	4.3
Other private lands	49,823	5.9
	85,417	10.2
Total Occupied Forest Lands	275,361	32.8
Unoccupied Forest Lands	563,656	67.2
Total Productive Forested Lands	839,017	100.0

Source: Federal Forestry Branch.

Table 5. Coniferous Forest Volume — 1956

Estimated Stands of Accessible Conifers by Provinces

	Millions of cubic feet	Pulp Production Tons — 1955
Newfoundland	13,095	†
Prince Edward Island	101	nil
Nova Scotia	2,939	†
New Brunswick	8,000	†
Quebec	45,693	4,491,139
Ontario	53,436	2,602,298
Manitoba	5,689	†
Saskatchewan	5,920	nil
Alberta	32,200	†
British Columbia	100,918	1,363,761
Yukon Territory	2,475	nil
Northwest Territories	3,132	nil
Nfld., N.S., N.B., Man. and Alberta	....	1,693,349
	273,598	10,150,547

† Figures for Newfoundland, Nova Scotia, New Brunswick, Manitoba and Alberta are not published separately.

Sources: Federal Forestry Branch and Dominion Bureau of Statistics.

Table 6. Forest Increment

Pulp and Paper Figures:

The relation between consumption and growth in the forests of the pulp and paper industry may thus be summarized:

1. The industry leases a total of 159,600 square miles of woodlands from the provincial governments.
2. The annual crop from these limits, together with other losses, averages less than one seventh of a cord per acre.
3. All scientific measurements made to date indicate a growth on the limits well in excess of a seventh of a cord per acre.
4. The forests leased by the companies are usually operated under a management plan approved and supervised by the provincial government involved and the cut is not permitted to exceed the growth. For example, in Quebec all but 2 per cent of the areas leased by the pulp and paper companies are operated under these government-approved management plans.

The industry has a declared Forest Policy of perpetual yield and the companies generally have stated that their woodlands are managed to provide a crop in perpetuity.

Source: Woodlands Section, Canadian Pulp and Paper Association.

Over-all Figures:

Complete estimates of the growth in the Canadian forests as a whole have not been compiled, but the following facts are known:

	Cubic feet per acre
While there is but a small growth in many areas, over considerable tracts growths have been recorded by the Federal Forestry Branch of:	25—40
Managed forests in Scandinavia produce:	28
Replacement of annual depletion in the accessible productive forest areas requires an average annual growth of:	8

(not including replacement of wastage caused by agencies other than fire, such as insects, diseases and natural mortality, for which no reliable estimates are available.)

The foregoing figures do not indicate that there is cause for complacency regarding the future maintenance of the forests and their proper conservation for use.

Other factors affecting these figures include:

1. While the annual increment appears to exceed the annual depletion, no comprehensive and proper estimate of forest increment in Canada as a whole has yet been prepared.
2. Insects and diseases in the forests periodically reach epidemic proportions; unless checked they will affect the existing balance between depletion and increment.
3. In many instances the depletion is concentrated in the more accessible areas. Growth that accrues in more remote areas is not used.
4. Repeated fires retard and often make impossible the proper regeneration of the forests.
5. Land tenures are often such that there is no economic or other urge upon some loggers to operate along scientific methods.

Source: Federal Forestry Branch.

Table 7.
Wood Used by Pulp and Paper Mills — 1955

	Per Cent
From farmers and other small holdings	21
Other purchases, including sawmill waste	12
Total purchased	33
Cut from owned or leased limits	67
	100

Source: Dominion Bureau of Statistics.

Table 8.
Species of Wood Used by Pulp and Paper Mills — 1955

Pulpwood:	Cords	Per Cent
Spruce and Balsam	10,911,661	75.6
Hemlock	1,071,913	7.4
Jack Pine	906,696	6.3
Other softwoods	31,631	.2
Poplar	469,169	3.3
Other hardwoods	238,343	1.6
	13,629,413	94.4
Other Wood(*)	802,621	5.6
	14,432,034	100.0

(*) — Includes chips, slabs and edgings, sawdust, butts, and cores.

Source: Dominion Bureau of Statistics.

Table 11. Pulpwood Production — Cords

	Apparent Production	Consumption	Exports	Imports
1920	4,024,826	2,777,422	1,247,404	
1921	3,273,131	2,180,578	1,092,553	
1922	3,923,940	2,912,608	1,011,332	
1923	4,654,663	3,270,433	1,384,230	
1924	4,647,201	3,316,951	1,330,250	
1925	5,092,461	3,668,959	1,423,502	
1926	5,621,305	4,229,567	1,391,738	
1927	5,929,456	4,387,687	1,541,769	
1928	6,295,912	4,796,320	1,532,266	32,674
1929	6,536,335	5,278,422	1,294,995	37,082
1930	5,977,183	4,741,349	1,330,466	94,632
1931	5,199,914	4,148,279	1,123,330	71,695
1932	4,222,224	3,647,754	620,124	45,654
1933	4,746,383	4,044,876	718,556	17,049
1934	5,773,970	4,766,604	1,021,285	13,919
1935	6,095,016	5,005,083	1,109,873	19,940
1936	7,002,057	5,775,894	1,235,754	9,591
1937	8,298,165	6,613,639	1,705,031	20,505
1938	6,438,344	4,719,753	1,752,259	33,668
1939	6,899,986	5,386,240	1,539,440	25,694
1940	8,499,922	6,996,119	1,551,429	47,626
1941	9,544,699	7,688,388	1,856,392	81
1942	9,653,574	7,667,438	1,987,850	1,714
1943	8,801,368	7,263,155	1,540,592	2,379
1944	8,668,566	7,177,639	1,499,136	8,209
1945	9,145,673	7,478,508	1,671,298	4,133
1946	10,523,256	8,684,756	1,855,381	16,881
1947	11,484,522	9,551,050	1,983,980	50,508
1948	12,497,926	10,256,549	2,317,346	75,969
1949	11,850,254	10,243,467	1,612,278	5,491
1950	12,873,476	11,166,798	1,734,898	28,220
1951	15,053,910	12,229,371	2,871,173	46,634
1952	14,102,394	11,640,191	2,493,263	31,060
1953	13,380,816	11,680,418	1,749,203	48,805
1954	14,702,171*	12,981,008*	1,826,193*	105,030
1955	15,377,280*	13,629,413*	1,882,784*	134,917
1956	16,071,093e	14,304,900e	1,954,337	188,144

* Revised.

e: Canadian Pulp and Paper Association estimate.

Note: Prior to 1946 "Apparent Production" and "Consumption" figures include small quantities of sawmill chips, slabs and edgings, sawdust, butts, and cores.

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

Table 9.
Cords, Cubic Feet, and Board Measure

A standard cord is a stack of wood 4 x 4 x 8 feet containing 128 cubic feet of wood, bark, and interstices. A cord usually contains about 85 cubic feet of solid wood, but the content varies with the size of the logs.

In the lumber industry, wood is usually measured by the board foot. A board foot is the equivalent of a board one inch in thickness and one square foot in surface area. The relationship between board measure and cord measure varies in different sections of the Dominion. Usually, 2 cords are considered to be equivalent to about 1000 feet board measure. But this ratio also varies with the size and type of the wood.

One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

Source: Federal Forestry Branch.

Table 10.
Sources of Supply of Pulpwood, 1955

Provinces and Sources	Proportion	Average value per cord
Quebec	100.00	$26.02
Purchased	29.10	24.48
From own or leased limits	70.90	26.65
Ontario	100.00	26.20
Purchased	33.72	26.14
From own or leased limits	66.28	26.24
British Columbia	100.00	20.24
Purchased	46.92	20.00
From own or leased limits	53.08	20.45
Other Provinces*	100.00	23.57
Purchased	26.94	20.89
From own or leased limits	73.06	24.56
Canada	100.00	24.95
Purchased	31.96	23.62
From own or leased limits	68.04	25.58

* Newfoundland, Nova Scotia, New Brunswick, Manitoba, and Alberta.

Source: Dominion Bureau of Statistics.

Table 12.
Pulpwood Production — Value

	Apparent Production	Consumption	Exports	Imports
1920	$61,183,060	$45,404,889	$15,778,171	
1921	52,900,872	38,283,262	14,617,610	
1922	50,735,361	40,375,599	10,359,762	
1923	57,119,596	43,594,592	13,525,004	
1924	57,777,640	44,241,582	13,536,058	
1925	62,181,537	48,012,602	14,168,935	
1926	68,262,873	54,195,843	14,067,030	
1927	70,284,895	54,582,190	15,702,705	
1928	74,587,833	59,578,417	15,269,660	$260,244
1929	76,120,063	63,101,138	13,314,738	295,813
1930	67,529,612	54,788,730	13,611,617	870,735
1931	51,973,243	43,120,740	9,359,592	507,089
1932	36,750,910	32,192,066	4,830,506	271,662
1933	33,213,973	28,609,247	4,696,459	91,733
1934	38,302,807	31,675,325	6,680,307	52,825
1935	41,195,871	34,265,329	7,041,052	110,510
1936	48,680,200	40,455,656	8,276,423	51,879
1937	63,057,205	51,081,661	12,088,329	112,785
1938	53,761,999	40,326,689	13,641,798	206,488
1939	58,302,668	46,558,645	11,901,480	157,457
1940	74,347,132	62,230,155	12,521,880	404,903
1941	88,193,045	72,264,544	15,928,826	325
1942	103,619,151	83,318,870	20,314,253	13,972
1943	110,844,790	92,308,272	18,565,265	28,747
1944	124,363,926	104,477,689	20,012,285	126,048
1945	146,172,701	122,347,847	23,881,928	57,074
1946	183,085,359	154,581,001	28,731,150	226,792
1947	237,488,741	203,738,527	34,528,884	778,670
1948	284,656,819	242,338,302	43,572,868	1,254,351
1949	270,697,980	240,379,337	30,383,947	65,304
1950	285,762,620	252,664,002	33,589,962	491,344
1951	381,920,846	316,600,016	66,077,108	756,278
1952	396,102,104	334,824,403	61,837,059	559,358
1953	370,912,264	329,087,065	42,703,886	878,687
1954	373,096,937	332,853,603	41,900,417	1,657,083
1955	381,290,934	340,076,962	43,273,977	2,060,005
1956	n.a.	n.a.	44,206,488	2,947,688

n.a.: Not available.

Apparent production estimated on the basis of consumption plus exports minus imports.

Imports not reported prior to 1928.

All quantities are given in terms of rough or unpeeled wood.

Source: Dominion Bureau of Statistics.

"B"—FROM WOOD TO MARKETS—1955

This section contains a summary of the industry's operation for 1955, relating production and markets to the pulpwood harvest.

Table 13.
Pulpwood Supply

	Cords(a)	Value
Apparent Pulpwood Production*, by Provinces:		
Quebec	7,071,351	$182,820,217
Ontario	3,627,950	93,272,401
British Columbia	1,746,317	35,733,490
Other Provinces	2,931,662	69,464,826
Canada	15,377,280	$381,290,934
Pulpwood Imports	134,917	2,060,005
Total Supply	15,512,197	$383,350,939
Less Pulpwood Exports	1,882,784	43,273,977
Pulpwood Used	13,629,413	$340,076,962
Other Wood Used (b)	802,621	15,541,175
Total Wood Used in Mills	14,432,034	$355,618,137

(a) Quantities are given in terms of rough or unpeeled wood. One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

(b) Residual wood, such as sawmill and veneer mill chips, slabs and edgings, sawdust and butts and cores.

Source: Dominion Bureau of Statistics.

Table 14.
Pulp Supply

From the 14,432,034 cords of wood used in the mills, the following pulps were manufactured in 1955:

	Tons	Value
Groundwood pulp	5,466,925	$218,557,773
Chemical pulp	4,359,226	465,149,732
Other pulp*	324,396	9,695,326
Total Wood-Pulp Production	10,150,547	$693,402,831
Wood-pulp imports	59,636	6,989,204
Total Wood-Pulp Supply	10,210,183	$700,392,035

In addition to wood-pulp, the following fibrous materials were used in 1955 in the production of certain grades of paper and paperboard:

Rags, rag-pulp, cotton and flax waste and sweepings, and cotton linters	28,465	$ 1,948,556
Old and waste paper and broke (purchased)	424,155	13,408,479
Straw	36,500	589,866
Flax fibre and pulp	2,042	261,740
Fibre and leather scrap	1,907	45,844
Manilla stock, including jute bagging, rope, waste, thread, etc.	606	56,224
Other paper stock	8,285	165,594
Total Other Stock Used	501,960	$ 16,476,303
Total Stock	10,712,143	$716,868,338
Pulp inventories at pulp and paper mills at the beginning of the year	141,754e	15,587,483e
Total	10,853,897	$732,455,821
Less pulp inventories at pulp and paper mills at the end of the year	114,564e	12,838,325e
Sold, or converted into paper, paperboard and other boards	10,739,333	$719,617,496

* Includes screenings, off-quality, semi-chemical, defibrated and exploded pulp.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 15.
Output by Products

From the 10,739,333 tons of pulp available for conversion or sale in 1955, the following products were manufactured:

Wood-pulp made for sale:	Tons	%	Value	%
Domestic(a)	253,804	2.38	$ 33,841,030	2.59
Export(b)	2,383,469	22.41	292,190,900	22.35
Total, Wood-Pulp	2,637,273	24.79	$ 326,031,930	24.94
Newsprint(c)	6,196,319	58.25	$ 688,338,369	52.64
Paperboard and Other Boards:				
Paperboard	861,371	8.10	$ 111,711,742	8.54
Building boards	157,718	1.48	17,016,550	1.30
Wet machine boards	8,352	.08	1,637,459	.13
	1,027,441	9.66	$ 130,365,751	9.97
Other Papers:				
Wrapping papers	263,915	2.48	$ 53,998,859	4.13
Book and writing papers	301,352	2.83	74,904,349	5.73
Tissue and sanitary papers	106,752	1.00	23,825,157	1.82
Building papers	96,494	.91	7,716,375	.59
Special industrial papers.	7,940	.08	2,290,387	.18
	776,453	7.30	$ 162,735,127	12.45
Total, Paper and Board	8,000,213	75.21	$ 981,439,247	75.06
Total Production	10,637,486	100.0	$1,307,471,177d	100.00

a: To non-subsidiary and non-affiliated companies only.

b: Actual pulp exports differ somewhat from pulp made for export.

c: Dominion Bureau of Statistics classification comprises some grades not classed as newsprint by the Newsprint Association of Canada.

d: As much of the pulp for domestic sale was utilized in the manufacture of paper products in Canada, there is some slight duplication in this figure.

Source: Dominion Bureau of Statistics.

Table 16.
Wood-Pulp Use and Sale

Tons	Production	Imports	Exports	Consumption by Canadian Paper Mills	Apparent Domestic Sales or Inventory Changes (a)
Groundwood	5,466,925	135	261,995	5,213,502	— 8,437
Sulphite	2,816,838	46,569	1,158,830	1,646,287	58,290
Sulphate	1,470,927	12,932	892,138	590,639	1,082
Screenings & others	395,857	—	53,170	349,449	— 6,762
	10,150,547	59,636	2,366,133	7,799,877	44,173

a: Minus quantities indicate reduction of inventories.

Source: Dominion Bureau of Statistics.

Table 17.

Pulp and Paper Exports 1956

	Total Exports		To U.S.A.		To United Kingdom		To Other Countries	
PULP —	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Sulphate — Kraft	916,397	$119,694,854	790,889	$104,327,508	53,945	$ 6,630,547	71,563	$ 8,736,799
Bleached	*684,435*	*95,086,026*	*610,801*	*84,802,979*	*33,971*	*4,723,092*	*39,663*	*5,559,955*
Unbleached	*231,962*	*24,608,828*	*180,088*	*19,524,529*	*19,974*	*1,907,455*	*31,900*	*3,176,844*
Sulphite — Bleached	746,509	113,842,322	541,166	82,153,193	73,476	11,514,473	131,867	20,174,656
Dissolving	*303,423*	*53,939,400*	*175,481*	*32,374,917*	*35,700*	*6,622,621*	*92,242*	*14,941,862*
Paper Grades	*443,086*	*59,902,922*	*365,685*	*49,778,276*	*37,776*	*4,891,852*	*39,625*	*5,232,794*
Sulphite — Unbleached	375,212	44,323,756	301,028	35,376,082	67,601	8,188,917	6,583	758,757
Strong	*232,617*	*27,217,768*	*217,736*	*25,561,245*	*8,314*	*899,704*	*6,567*	*756,819*
News	*142,595*	*17,105,988*	*83,292*	*9,814,837*	*59,287*	*7,289,213*	*16*	*1,938*
Total Chemical	2,038,118	$277,860,932	1,633,083	$221,856,783	195,022	$26,333,937	210,013	$29,670,212
Mechanical	274,741	19,593,680	227,136	16,378,070	47,487	3,204,762	*118*	*10,848*
Bleached	*44,395*	*3,252,441*	*44,232*	*3,240,061*	*163*	*12,380*	—	—
Unbleached	*230,346*	*16,341,239*	*182,904*	*13,138,009*	*47,324*	*3,192,382*	*118*	*10,848*
Other Pulps	44,950	6,395,205	43,211	6,158,998	1,655	224,221	84	11,986
Screenings	16,204	686,680	16,204	686,680	—	—	—	—
Chemical	*6,415*	*238,947*	*6,415*	*238,947*	—	—	—	—
Mechanical	*9,789*	*447,733*	*9,789*	*447,733*	—	—	—	—
Total Miscellaneous	335,895	$ 26,675,565	286,551	$ 23,223,748	49,142	$ 3,428,983	202	$ 22,834
TOTAL PULP	2,374,013	$304,536,497	1,919,634	$245,080,531	244,164	$29,762,920	210,215	$29,693,046
NEWSPRINT PAPER —								
Standard	5,967,194	708,384,822	5,218,911	615,941,551	347,905	41,531,514	400,378	50,911,757
Mutilated	17,992	1,266,707	11,086	840,981	6,876	422,254	30	3,472
TOTAL NEWSPRINT	5,985,186	$709,651,529	5,229,997	$616,782,532	354,781	$41,953,768	400,408	$50,915,229
OTHER PAPER —								
Wrapping — Coated	49	26,945	5	2,796	3	1,813	41	22,336
Wrapping — Kraft	13,457	2,394,180	5,787	958,905	3,375	610,393	4,295	824,882
Wrapping — n.o.p.	1,805	298,646	1,202	157,563	349	72,748	254	68,335
Book	38,239	7,137,201	30,437	5,148,988	956	274,218	6,846	1,713,995
Bond & Writing	6,392	1,998,566	48	19,714	489	160,734	5,855	1,818,118
Paperboard — n.o.p.	67,956	9,058,868	12,448	1,603,163	54,002	7,205,679	1,506	250,026
Roofing & Building	445	41,436	44	6,591	53	14,009	348	20,836
Building and Insulating Board	38,566	3,737,146	32,837	3,259,733	2,508	190,794	3,221	286,619
Waste Paper	36,072	1,569,451	35,644	1,549,776	—	—	428	19,675
Pulpboard for Wallboard	11,087	1,224,360	10,781	1,195,698	306	28,662	—	—
Tissue	472	136,071	*	49	—	—	472	136,022
Toilet	3,725	803,332	97	23,422	998	251,765	2,630	528,145
TOTAL OTHER PAPER	218,265	$ 28,426,202	129,330	$ 13,926,398	63,039	$ 8,810,815	25,896	$ 5,688,989
PAPER PRODUCTS — (a)								
Bags, Boxes & Cartons	—	484,525	—	108,364	—	2,132	—	374,029
Bags	—	*287,353*	—	*32,271*	—	—	—	*255,082*
Boxes & Cartons	—	*197,172*	—	*76,093*	—	*2,132*	—	*118,947*
Hangings or Wall Paper	—	943,495	—	846,133	—	2,396	—	94,966
Hanging, not Printed	—	748,827	—	654,396	—	94,431	—	—
Writing — n.o.p.	—	66,691	—	7,065	—	338	—	59,288
Handkerchiefs — Tissues	—	14,986	—	800	—	281	—	13,905
Napkins & Towels	—	216,347	—	175,186	—	1,578	—	39,583
Blank Books	—	107,163	—	1,293	—	338	—	105,532
Paper — n.o.p.	—	179,761	—	89,071	—	4,451	—	86,239
Other Paper Products	—	452,419	—	212,892	—	1,196	—	238,331
TOTAL PAPER PRODUCTS	—	$ 3,214,214	—	$ 2,095,200	—	$ 107,141	—	$ 1,011,873
GRAND TOTAL	8,577,464	$1,045,828,442	7,278,961	$877,884,661	661,984	$80,634,644	636,519	$87,309,137

* Less than half a ton.

(a) Weight of paper products is unavailable.

n.o.p.: Not otherwise provided for.

Source: Dominion Bureau of Statistics.

"C"—PULP STATISTICS

All figures after 1948 include Newfoundland. For Newfoundland data prior to 1948 see Table 32.

Table 18.
Pulp Production and Exports

All grades: chemical, mechanical and screenings.

	Production		Exports	
	Tons	Value	Tons	Value
1920	1,960,102	$141,552,862	819,984	$ 76,383,978
1921	1,549,082	78,338,278	527,223	33,133,675
1922	2,150,251	84,947,598	818,246	41,037,849
1923	2,475,904	99,073,203	875,358	47,027,496
1924	2,465,011	90,323,972	781,983	40,242,972
1925	2,772,507	100,216,383	961,367	47,931,905
1926	3,229,791	115,154,199	1,005,780	52,077,122
1927	3,278,978	114,442,550	879,154	46,996,041
1928	3,608,045	121,184,214	863,801	45,614,823
1929	4,021,229	129,033,154	830,848	43,367,984
1930	3,619,345	112,355,872	760,220	39,059,979
1931	3,167,960	84,780,809	622,537	30,056,643
1932	2,663,248	64,412,453	452,293	18,930,064
1933	2,979,562	64,114,074	608,510	23,354,637
1934	3,636,335	75,726,958	605,641	25,444,844
1935	3,868,341	79,722,039	662,475	27,625,730
1936	4,485,445	92,336,953	754,496	31,246,695
1937	5,141,504	116,729,228	870,716	41,815,731
1938	3,667,789	87,897,148	554,037	27,730,738
1939	4,166,301	97,131,817	705,516	31,000,602
1940	5,290,762	149,005,267	1,068,516	60,930,149
1941	5,720,847	175,439,551	1,411,725	85,897,736
1942	5,606,461	192,145,062	1,510,746	95,266,873
1943	5,272,830	194,519,152	1,556,457	100,012,775
1944	5,271,137	211,041,412	1,408,081	101,563,024
1945	5,600,814	231,873,122	1,434,527	106,054,911
1946	6,615,410	287,624,227	1,418,558	114,020,659
1947	7,253,671	403,853,235	1,698,712	177,802,612
1948	7,675,079	485,966,164	1,797,998	211,564,384
1949	7,852,998	445,138,494	1,557,348	171,504,163
1950	8,473,014	502,583,925	1,846,143	208,555,549
1951	9,314,849	727,880,005	2,243,307	365,132,884
1952	8,968,009	650,021,180	1,940,582	291,863,498
1953	9,077,063	624,865,504	1,950,152	248,674,880
1954	9,673,016	655,916,738	2,180,416	270,904,626
1955	10,150,547	693,402,831	2,366,133	297,304,069
1956	10,743,605e	n.a.	2,374,013	304,536,497

e: Canadian Pulp and Paper Association estimate.
n.a.: Not available.
Source: Dominion Bureau of Statistics.

Table 19.
Chemical Pulp Production and Exports

All grades. Screenings not included.

	Production		Exports	
	Tons	Value	Tons	Value
1915	331,029	.....	157,469	$ 6,039,815
1916	468,826	.....	229,147	11,694,877
1917	540,423	$ 38,374,191	261,760	19,110,700
1918	677,683	45,243,446	402,850	28,573,879
1919	725,187	50,003,450	397,578	30,002,558
1920	848,528	90,053,999	515,640	58,809,172
1921	612,467	45,929,513	303,729	23,861,963
1922	897,533	53,615,692	503,486	31,637,766
1923	1,012,092	60,674,518	534,251	35,428,173
1924	986,298	53,336,343	528,283	32,326,943
1925	1,084,992	59,969,673	601,163	37,358,632
1926	1,251,178	69,220,427	623,703	40,571,304
1927	1,278,572	69,169,002	599,478	38,867,036
1928	1,392,755	72,500,188	628,438	39,447,807
1929	1,501,273	76,198,051	585,108	36,817,157
1930	1,265,057	63,156,351	527,800	32,677,201
1931	1,086,735	46,998,988	443,903	25,226,042
1932	913,438	35,987,294	328,532	16,290,037
1933	1,092,601	38,510,217	459,773	20,444,761
1934	1,211,619	44,535,515	472,447	22,540,981
1935	1,276,308	47,153,565	519,480	24,812,145
1936	1,462,659	53,356,519	597,512	28,170,044
1937	1,707,889	69,538,019	680,264	37,357,571
1938	1,124,312	47,990,730	421,597	24,717,328
1939	1,342,448	53,369,808	526,774	26,802,840
1940	1,879,812	92,553,463	857,192	54,548,202
1941	2,122,292	113,128,794	1,121,784	76,744,731
1942	2,246,438	126,208,457	1,213,587	84,417,370
1943	2,188,026	130,010,210	1,259,670	89,486,869
1944	2,109,169	138,140,452	1,156,442	91,070,546
1945	2,154,267	144,084,969	1,145,660	93,601,776
1946	2,427,087	172,756,674	1,131,148	100,895,930
1947	2,755,977	251,273,372	1,357,386	157,954,348
1948	2,997,281	310,338,614	1,481,449	191,723,253
1949	2,891,418	272,355,430	1,335,690	159,359,711
1950	3,314,250	323,330,963	1,584,393	194,228,568
1951	3,814,086	503,997,803	1,904,785	337,800,649
1952	3,518,127	423,789,033	1,675,114	271,120,438
1953	3,663,289	406,114,975	1,713,081	232,601,850
1954	4,057,046	433,359,934	1,937,534	254,616,166
1955	4,359,226	465,149,732	2,092,256	278,749,355
1956	4,671,694e	n.a.	2,083,068	284,256,137

e: Canadian Pulp and Paper Association estimate.
n.a.: Not available.
Source: Dominion Bureau of Statistics.

Table 20.
Chemical Pulp Exports

All grades. Screenings not included.

Tons	Sulphite	Sulphate	Other	Total
1931	385,421	54,993	3,488	443,902
1932	287,930	38,531	2,071	328,532
1933	395,715	59,320	4,738	459,773
1934	376,460	88,037	7,950	472,447
1935	411,817	96,954	10,709	519,480
1936	464,739	119,400	13,373	597,512
1937	546,141	122,781	11,342	680,264
1938	335,273	76,286	10,039	421,598
1939	408,846	108,869	9,059	526,774
1940	708,806	136,052	12,334	857,192
1941	919,737	185,365	16,682	1,121,784
1942	1,013,505	181,325	18,757	1,213,587
1943	1,056,487	183,291	19,892	1,259,670
1944	960,297	178,876	17,269	1,156,442
1945	942,874	181,015	21,771	1,145,660
1946	906,712	204,769	19,667	1,131,148
1947	1,018,808	316,711	21,867	1,357,386
1948	1,066,534	389,599	25,316	1,481,449
1949	838,059	470,160	27,471	1,335,690
1950	969,340	581,994	33,059	1,584,393
1951	1,162,360	709,467	32,958	1,904,785
1952	1,001,207	644,923	28,984	1,675,114
1953	972,508	705,659	34,914	1,713,081
1954	1,054,852	844,759	37,923	1,937,534
1955	1,158,830	892,138	41,288	2,092,256
1956	1,121,721	916,397	44,950	2,083,068

Source: Dominion Bureau of Statistics.

Table 21.

Destination of Sulphite and Sulphate Pulp Exports

To:	Sulphite 1956 Tons	Sulphite 1955 Tons	Sulphate 1956 Tons	Sulphate 1955 Tons
North America	848,371	844,434	791,737	764,173
United States	842,194	836,476	790,889	761,592
Mexico	4,179	6,867	848	2,581
Cuba	1,998	1,091	—	—
Europe	185,104	252,962	91,691	96,758
United Kingdom	141,077	175,930	53,945	61,190
France	23,333	31,356	2,458	2,342
Netherlands	1,247	3,317	7,456	11,467
U.S.S.R.	4,928	14,334	—	—
West Germany	2,765	3,573	10,777	7,991
Spain	5,453	8,815	1,046	—
Belgium	1,496	3,197	4,827	4,856
Italy	1,119	2,227	7,969	5,006
Switzerland	1,865	4,083	1,757	2,400
Greece	1,543	4,627	—	—
Ireland	278	1,503	988	1,127
Finland	—	—	468	325
Austria	*	—	—	54
Africa	1,537	1,957	62	—
Egypt	1,537	989	—	—
Belgian Congo	—	—	62	—
Morocco	—	651	—	—
Union of S. Africa	—	317	—	—
South America	2,920	13,637	14,483	18,608
Colombia	—	—	9,366	11,803
Argentina	—	10,233	—	—
Peru	434	1,199	2,339	4,407
Chile	276	2,142	2,533	2,199
Puerto Rico	—	—	245	199
Brazil	4	63	—	—
Venezuela	1,712	—	—	—
Uruguay	494	—	—	—
Asia	83,680	45,543	13,726	9,578
Japan	74,013	35,497	10,430	1,419
Taiwan	110	551	1,923	6,843
India	6,882	6,811	—	168
Pakistan	—	2,250	—	1,002
Indonesia	439	324	—	—
Philippines	981	110	1,373	146
Korea	1,255	—	—	—
Oceania	109	297	4,698	3,021
Australia	104	297	4,698	3,021
New Zealand	5	—	—	—
Total Exports	1,121,721	1,158,830	916,397	892,138

* Less than half-a ton.

Source: Dominion Bureau of Statistics.

Table 22.

Unbleached Sulphite Pulp

ALL GRADES	Production Tons	Production Value	Apparent Consumption (b) Tons	Apparent Consumption (b) Value	Exports Tons	Exports Value	Imports Tons	Imports Value
1920	515,649	$ 48,778,369	246,958	$18,935,874	281,854	$30,778,486	13,162	$ 935,991
1921	322,125	22,002,694	208,964	14,149,662	127,389	9,122,612	14,228	1,269,580
1922	532,188	29,222,369	339,132	19,607,942	208,446	10,477,746	15,390	863,319
1923	595,891	31,704,333	382,116	20,066,596	228,033	12,406,095	14,258	768,358
1924	567,271	26,829,927	365,345	16,393,942	222,227	11,611,367	20,301	1,175,382
1925	615,320	29,670,655	370,251	16,641,014	265,553	14,150,271	20,484	1,120,630
1926	738,235	35,406,932	501,588	21,969,773	254,574	14,393,546	17,927	956,387
1927	726,747	33,803,631	556,515	24,699,183	192,557	10,269,560	22,325	1,165,112
1928	812,458	35,359,990	620,007	25,658,878	214,126	10,738,977	21,675	1,037,865
1929	911,684	38,144,801	733,636	29,356,266	196,978	9,713,979	18,930	925,444
1930	783,410	32,494,078	608,923	23,907,192	187,424	9,201,250	12,937	614,364
1931	640,222	22,433,990	529,242	17,813,130	123,721	5,146,954	12,741	526,094
1932	512,593	16,174,624	445,446	14,009,417	80,219	2,606,647	13,072	441,440
1933	553,801	15,070,885	458,627	12,171,104	100,604	3,067,525	5,430	167,744
1934	650,380	17,933,546	556,150	14,812,620	102,316	3,373,231	8,086	252,305
1935	644,820	17,546,789	562,251	14,878,220	98,673	3,186,894	16,104	518,325
1936	739,213	19,900,576	645,133	16,873,919	113,088	3,634,971	19,008	608,314
1937	914,191	28,355,232	758,367	21,101,623	176,267	7,907,788	20,443	654,179
1938	575,263	19,037,310	492,398	15,499,591	98,835	4,048,165	15,970	510,446
1939	624,552	19,998,275	534,726	16,696,992	109,160	3,954,980	19,334	653,697
1940	936,558	36,941,108	673,243	22,766,789	281,324	14,857,150	18,009	682,831
1941	1,073,704	46,797,067	651,611	21,708,638	438,140	25,942,972	16,047	854,543
1942	1,156,137	55,524,053	625,522	22,732,914	550,204	33,898,728	19,589	1,107,589
1943	1,125,033	58,076,395	553,108	22,158,932	590,541	36,997,343	18,616	1,079,880
1944	1,023,930	59,891,667	508,509	23,344,259	525,777	37,235,232	10,356	687,824
1945	1,035,755	61,923,471	565,677	27,748,246	480,836	34,916,473	10,758	741,248
1946	1,213,220	76,000,948	777,306	41,652,523	446,209	35,120,122	10,295	771,697
1947	1,322,783	102,483,191	860,180	55,816,292	484,724	48,888,906	22,121	2,222,007
1948	1,406,358	121,374,466	916,736	65,539,977	514,917	58,521,374	25,295	2,686,885
1949	1,354,368	103,606,878	1,023,903	69,939,043	354,444	36,076,547	23,979	2,408,712
1950	1,450,004	111,208,080	1,064,463	71,705,670	411,482	41,842,295	25,941	2,339,885
1951	1,697,672	172,544,639	1,168,385	85,551,347	555,045	90,017,185	25,758	3,023,893
1952	1,596,333	150,101,618	1,191,885	90,665,320	432,126	62,318,100	27,678	2,881,802
1953	1,552,056	134,647,522	1,229,010	98,460,638	349,619	39,133,755	26,573	2,946,871
1954	1,653,324	138,855,413	1,331,115	103,895,703	350,839	38,045,958	28,630	3,086,248
1955	1,790,737	147,734,909	1,452,463	105,840,600	371,705	42,532,861	33,431	3,638,552
1956	1,886,649e	n.a.	1,550,134e	n.a.	375,212	44,323,756	38,697	4,541,149

b: Estimated on the basis of production plus imports minus exports.

c: Fraction of a ton.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 23.

Bleached Sulphite Pulp

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
ALL GRADES								
1920	138,624	$ 21,301,465	38,034	$ 6,082,321	100,640	$ 15,225,226	50	$ 6,082
1921	154,804	14,481,158	78,028	6,943,230	76,801	7,540,128	25	2,200
1922	146,690	11,691,904	169	—286,705	146,705	11,993,202	184	14,593
1923	189,935	15,307,069	30,269	1,756,598	159,873	13,568,320	207	17,849
1924	200,764	14,653,587	34,975	2,276,040	165,868	12,383,645	79	6,098
1925	227,465	16,981,584	41,897	2,956,482	185,888	14,049,500	320	24,398
1926	256,868	19,645,060	56,131	3,929,938	200,994	15,734,220	257	19,098
1927	289,313	21,087,792	52,299	2,697,969	237,227	18,407,169	213	17,346
1928	304,769	22,451,771	53,520	3,371,582	251,542	19,112,964	293	32,775
1929	324,548	23,814,234	71,327	4,631,905	253,809	19,246,692	588	64,363
1930	293,394	19,619,367	45,587	1,764,164	249,098	17,954,714	1,291	99,511
1931	301,357	16,978,118	39,858	712,918	261,700	16,282,735	201	17,535
1932	256,478	13,081,700	48,928	1,909,832	207,711	11,181,623	161	9,755
1933	355,812	16,109,572	60,775	1,967,673	295,111	14,145,283	74	3,384
1934	340,262	18,034,000	66,205	3,431,395	274,144	14,607,138	87	4,533
1935	374,157	19,551,605	61,119	3,309,409	313,144	16,249,656	106	7,460
1936	429,714	22,259,923	78,094	3,884,783	351,651	18,376,727	31	1,587
1937	459,041	27,135,378	89,187	5,038,025	369,874	22,099,127	20	1,774
1938	304,834	18,818,095	68,457	3,080,445	236,438	15,742,741	61	5,091
1939	404,268	21,284,125	105,477	4,639,358	299,686	16,697,177	895	52,410
1940	543,987	36,576,496	118,166	6,879,197	427,482	29,812,822	1,661	115,523
1941	590,812	43,408,549	110,246	6,363,374	481,597	37,137,254	1,031	92,079
1942	597,316	43,809,756	135,876	7,618,564	463,301	36,382,124	1,861	190,932
1943	587,538	44,994,159	124,638	7,838,345	465,946	37,528,067	3,046	372,253
1944	585,699	48,767,224	154,570	10,565,098	434,520	38,614,714	3,391	412,588
1945	603,929	50,919,572	144,890	8,799,107	462,038	42,491,042	2,999	370,577
1946	616,797	58,859,624	160,415	12,358,355	460,503	47,013,382	4,121	512,113
1947	704,749	85,671,202	175,628	17,145,844	534,084	69,292,211	4,963	766,853
1948	731,653	99,052,519	185,326	21,459,854	551,617	78,497,251	5,290	904,586
1949	637,091	82,185,350	162,300	18,335,394	483,615	65,100,878	8,824	1,250,922
1950	760,769	101,822,594	210,156	24,957,964	557,858	77,855,345	7,245	990,715
1951	847,160	145,883,749	244,906	34,405,137	607,315	112,339,792	5,061	861,180
1952	781,762	128,760,545	219,666	28,958,709	569,081	101,002,682	6,985	1,200,846
1953	846,487	130,808,408	230,390	32,007,838	622,889	99,872,959	6,792	1,072,389
1954	953,967	137,171,927	257,431	30,719,774	704,013	107,537,038	7,477	1,084,885
1955	1,026,101	147,132,612	252,114	31,576,613	787,125	117,319,377	13,138	1,763,378
1956	1,055,219e	n.a.	320,874e	n.a.	746,509	113,842,322	12,164	1,876,355
DISSOLVING PULP								
1944	235,417	21,198,634	27,598	2,027,260	210,565e	19,504,292e	2,746e	332,918e
1945	233,826	22,025,991	21,440	1,183,404	214,816e	21,147,409e	2,430e	304,822e
1946	271,563	29,401,676	29,453	2,554,217	244,879	27,211,028	2,769e	363,569e
1947	306,927	41,705,429	17,845	3,230,819	292,125	38,976,383	3,043e	501,773e
1948	340,946	50,689,685	34,919	5,190,659	309,270	46,090,922	3,243	591,896
1949	262,972	39,455,746	22,738	2,846,383	243,095	37,146,886	2,861	537,523
1950	335,736	52,891,624	46,784	7,687,494	290,356	45,478,266	1,404	274,136
1951	408,969	81,904,028	47,411	10,441,827	363,145	71,831,848	1,587	369,647
1952	383,645	70,845,884	46,981	5,110,092	339,407	66,364,335	2,743	628,543
1953	430,551	77,511,280	49,179	8,692,392	382,960	69,171,902	1,588	353,014
1954	426,638	73,214,507	59,229	8,276,235	368,527	65,176,985	1,118	238,713
1955	402,283	68,934,790	73,978	10,829,840	330,132	58,417,937	1,817	312,987
1956	380,454e	n.a.	80,149e	n.a.	303,423	53,939,400	3,118	603,462
PAPER GRADES								
1944	350,282	27,568,590	126,972	8,537,838	223,955e	19,110,422e	645e	79,670e
1945	370,103	28,893,581	123,450	7,615,703	247,222e	21,343,633e	569e	65,755e
1946	345,234	29,457,948	130,962	9,804,138	215,624	19,802,354	1,352e	148,544e
1947	397,822	43,965,773	157,783	13,915,025	241,959	30,315,828	1,920e	265,080e
1948	390,707	48,362,834	150,407	16,269,195	242,347	32,406,329	2,047	312,690
1949	374,119	42,729,604	139,562	15,489,011	240,520	27,953,992	5,963	713,399
1950	425,033	48,930,970	163,372	17,270,470	267,502	32,377,079	5,841	716,579
1951	438,191	63,979,721	197,495	23,963,310	244,170	40,507,944	3,474	491,533
1952	398,117	57,914,661	172,685	23,848,617	229,674	34,638,347	4,242	572,303
1953	415,936	53,297,128	181,211	23,315,446	239,929	30,701,057	5,204	719,375
1954	527,329	63,957,420	198,202	22,443,539	335,486	42,360,053	6,359	846,172
1955	623,818	78,197,822	178,146	20,746,773	456,993	58,901,440	11,321	1,450,391
1956	674,765e	n.a.	240,725e	n.a.	443,086	59,902,922	9,946	1,272,893

Footnotes: See Table 22.

Source: Dominion Bureau of Statistics.

Table 24. Sulphate Pulp

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
ALL GRADES								
1920	188,487	$19,437,843	58,928	$ 7,122,198	133,146	$ 12,805,460	3,587e	$579,815e
1921	131,337	9,062,252	33,383	2,130,728	99,539	7,199,223	1,585e	267,699e
1922	217,862	12,643,604	69,802	3,500,787	148,336	9,169,818	276e	24,001e
1923	224,813	13,559,189	78,468	4,105,431	146,345	9,453,758	—	—
1924	215,422	11,665,412	75,351	3,338,681	140,183	8,331,931	112	5,200
1925	241,252	13,244,379	91,530	4,085,518	149,722	9,158,861	—	—
1926	250,234	13,829,868	82,100	3,386,330	168,134	10,443,538	—	—
1927	251,266	13,598,815	81,573	3,405,508	169,693	10,193,307	—	—
1928	256,969	13,581,559	94,198	3,985,693	162,771	9,595,866	—	—
1929	250,104	13,191,726	115,783	5,335,259	134,321	7,856,486	c	19
1930	175,449	10,274,666	91,030	5,171,760	86,091	5,151,652	1,672	48,746
1931	136,489	7,153,530	82,479	3,573,549	54,993	3,617,444	983	37,463
1932	137,234	6,374,320	98,709	3,956,657	38,531	2,418,760	6	1,097
1933	171,236	6,859,680	111,918	3,809,541	59,320	3,050,208	2	69
1934	205,980	7,963,110	117,943	3,745,867	88,037	4,217,243	—	—
1935	236,536	9,119,496	139,582	4,209,517	96,954	4,909,979	—	—
1936	273,494	10,234,715	154,095	4,667,531	119,400	5,567,284	1	100
1937	312,741	12,920,977	189,960	6,155,567	122,781	6,765,430	c	20
1938	225,032	9,216,421	149,385	4,806,769	76,286	4,435,757	639	26,105
1939	292,066	11,074,010	184,309	5,379,191	108,869	5,741,152	1,112	46,333
1940	371,569	17,389,346	235,676	8,236,950	136,052	9,161,716	159	9,320
1941	426,743	20,940,034	241,378	8,372,148	185,365	12,567,886	—	—
1942	459,254	24,718,685	277,929	11,825,165	181,325	12,893,520	—	—
1943	441,421	24,636,048	258,130	11,119,381	183,291	13,516,667	—	—
1944	467,726	27,226,197	288,850	13,362,440	178,876	13,863,757	—	—
1945	478,740	28,731,109	297,725	14,360,805	181,015	14,370,304	—	—
1946	562,233	35,246,426	357,464	18,247,821	204,769	16,998,605	—	—
1947	689,435	59,303,735	372,724	22,057,844	316,711	37,245,891	—	—
1948	815,076	84,754,779	425,627	33,359,724	389,599	51,416,115	150	21,060
1949	855,784	81,591,655	387,823	27,045,884	470,160	54,812,327	2,199	266,556
1950	1,053,588	104,512,027	473,779	34,537,674	581,994	70,244,716	2,185	270,363
1951	1,216,907	177,903,281	511,487	48,300,450	709,467	130,166,335	4,047	563,504
1952	1,092,038	138,290,487	451,645	35,407,041	644,923	103,505,801	4,530	622,355
1953	1,205,628	133,164,217	507,442	45,364,622	705,659	88,707,314	7,473	907,719
1954	1,386,127	149,370,244	552,961	47,024,113	844,759	103,725,925	11,593	1,379,794
1955	1,470,927	161,136,473	591,721	49,684,151	892,138	113,023,434	12,932	1,571,112
1956	1,645,096e	n.a.	741,742e	n.a.	916,397	119,694,854	13,043	1,699,716
BLEACHED								
1947	194,326	24,214,603	n.a.	n.a.	181,416g	23,448,238g	n.a.	n.a.
1948	255,346	37,227,821	n.a.	n.a.	232,538g	32,720,596g	n.a.	n.a.
1949	362,283	46,552,144	n.a.	n.a.	331,902g	41,610,544g	n.a.	n.a.
1950	436,810	58,225,315	n.a.	n.a.	392,291g	51,379,786g	n.a.	n.a.
1951	524,658	98,296,448	n.a.	n.a.	475,976g	87,366,927g	n.a.	n.a.
1952	524,513	84,457,294	n.a.	n.a.	490,986g	80,407,020g	n.a.	n.a.
1953	579,537	81,522,029	n.a.	n.a.	534,586g	72,812,932g	n.a.	n.a.
1954	695,460	92,754,473	n.a.	n.a.	639,804g	84,721,957g	n.a.	n.a.
1955	730,637	99,886,544	n.a.	n.a.	670,445g	90,940,805g	n.a.	n.a.
1956	778,854e	n.a.	n.a.	n.a.	684,435g	95,086,026g	n.a.	n.a.
SEMI-BLEACHED								
1947	21,451	2,010,424	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1948	17,060	1,861,103	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1949	10,184	899,759	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1950	12,897	1,321,272	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1951	11,054	1,150,508	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1952	15,320	1,714,681	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1953	24,666	2,919,470	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1954	46,187	4,723,736	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1955	60,410	6,286,555	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1956	64,973e	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
UNBLEACHED								
1947	473,658	33,078,708	n.a.	n.a.	135,295	13,797,653	n.a.	n.a.
1948	542,670	45,665,855	n.a.	n.a.	157,061	18,695,519	n.a.	n.a.
1949	483,317	34,139,752	n.a.	n.a.	138,258	13,201,783	n.a.	n.a.
1950	603,881	44,965,440	n.a.	n.a.	189,703	18,864,930	n.a.	n.a.
1951	681,195	78,456,325	n.a.	n.a.	233,491	42,799,408	n.a.	n.a.
1952	552,205	52,118,512	n.a.	n.a.	153,937	23,098,781	n.a.	n.a.
1953	601,425	48,722,718	n.a.	n.a.	171,073	15,894,382	n.a.	n.a.
1954	644,480	51,892,035	n.a.	n.a.	204,955	19,003,968	n.a.	n.a.
1955	679,880	54,963,374	n.a.	n.a.	221,693	22,082,629	n.a.	n.a.
1956	801,269e	n.a.	n.a.	n.a.	231,962	24,608,828	n.a.	n.a.

g: Includes semi-bleached.

Other footnotes: See Table 22.

Source: Dominion Bureau of Statistics.

Table 25. Mechanical Pulp

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
ALL GRADES								
1920	1,090,114	$ 49,890,337	789,356	$ 32,639,239	304,344	$17,574,806	3,586e	$323,708e
1921	931,560	32,313,848	709,323	23,155,266	223,494	9,271,712	1,257e	113,130e
1922	1,241,185	31,079,429	926,425	21,679,346	314,760	9,400,083	—	—
1923	1,419,547	37,587,379	1,079,612	26,021,518	341,107	11,599,323	1,172e	33,462e
1924	1,427,726	36,163,381	1,176,962	28,361,101	253,700	7,916,029	2,936	113,749
1925	1,621,917	39,130,117	1,263,066	28,601,684	360,204	10,573,273	1,353	44,840
1926	1,901,268	44,800,257	1,521,914	33,402,964	382,077	11,505,818	2,723	108,525
1927	1,922,124	44,174,811	1,661,645	36,437,822	260,831	7,761,464	352	24,475
1928	2,127,699	47,549,324	1,924,218	42,022,091	203,670	5,546,120	189	18,887
1929	2,420,774	51,617,360	2,211,640	45,734,836	209,332	5,906,638	198	24,114
1930	2,283,130	48,317,494	2,076,976	42,413,073	208,758	5,967,172	2,604	62,751
1931	2,016,480	37,096,768	1,851,786	32,497,323	165,098	4,606,167	404	6,722
1932	1,696,021	28,018,451	1,579,832	25,459,838	116,229	2,562,089	40	3,476
1933	1,824,553	25,150,963	1,692,559	22,466,458	132,152	2,688,023	158	3,518
1934	2,340,441	30,556,675	2,220,352	27,829,717	120,121	2,727,902	32	944
1935	2,504,595	32,034,716	2,380,657	29,408,820	124,055	2,631,945	117	6,049
1936	2,910,338	38,251,389	2,776,863	35,412,990	133,518	2,841,051	43	2,652
1937	3,308,517	46,144,208	3,142,130	42,028,791	166,802	4,145,552	415	30,135
1938	2,461,997	39,228,178	2,338,032	36,330,722	124,205	2,914,247	240	16,791
1939	2,738,011	43,062,396	2,569,380	38,973,434	168,652	4,090,177	21	1,215
1940	3,305,484	55,504,763	3,101,536	49,244,546	204,090	6,265,069	142	4,852
1941	3,494,922	61,327,268	3,227,335	52,614,791	271,162	8,835,808	3,575	123,331
1942	3,260,097	64,801,837	2,981,732	54,294,388	278,365	10,507,449	—	—
1943	2,998,913	63,426,919	2,726,013	53,358,327	272,900	10,068,592	—	—
1944	3,076,296	71,668,673	2,839,751	61,534,290	236,545	10,134,383	—	—
1945	3,341,920	86,375,001	3,068,767	74,327,944	273,906	12,101,310	753	54,253
1946	3,997,848	111,514,231	3,729,613	98,950,120	268,290	12,571,257	55	7,146
1947	4,275,269	147,423,552	3,957,351	128,403,870	319,160	19,098,908	1,242	79,226
1948	4,413,513	168,343,496	4,119,262	149,273,279	296,520	19,257,283	2,269	187,066
1949	4,718,806	166,591,741	4,511,809	154,699,884	207,359	11,920,602	362	28,745
1950	4,910,803	173,035,433	4,664,432	159,085,406	247,556	14,037,566	1,185	87,539
1951	5,172,465	213,953,064	4,851,307	187,308,056	322,706	26,741,965	1,548	96,957
1952	5,175,319	217,352,245	4,935,999	197,733,203	254,716	20,413,132	15,396	794,090
1953	5,122,597	209,899,639	4,896,676	194,244,288	228,467	15,828,174	2,546	172,823
1954	5,337,610	214,102,066	5,109,371	197,899,137	232,230	16,501,901	3,991	298,972
1955	5,466,925	218,557,773	5,205,065	200,385,448	261,995	18,188,487	135	16,162
1956	5,717,746e	n.a.	5,443,005e	n.a.	274,741	19,593,680	—	—
BLEACHED								
1952	37,835	2,916,704	n.a.	n.a.	33,473	2,664,840	n.a.	n.a.
1953	56,930	3,809,367	n.a.	n.a.	49,237	3,532,953	n.a.	n.a.
1954	61,823	4,415,121	n.a.	n.a.	52,211	3,830,571	n.a.	n.a.
1955	50,889	3,725,044	n.a.	n.a.	41,882	3,065,866	n.a.	n.a.
1956	n.a.	n.a.	n.a.	n.a.	44,395	3,252,441	—	—
UNBLEACHED								
1952	5,137,484	214,435,541	n.a.	n.a.	221,243	17,748,292	n.a.	n.a.
1953	5,065,667	206,090,272	n.a.	n.a.	179,230	12,295,221	n.a.	n.a.
1954	5,275,787	209,686,945	n.a.	n.a.	180,019	12,671,330	n.a.	n.a.
1955	5,416,036	214,832,729	n.a.	n.a.	220,113	15,122,621	n.a.	n.a.
1956	n.a.	n.a.	n.a.	n.a.	230,346	16,341,239	—	—

Footnotes: See Table 22.

Source: Dominion Bureau of Statistics.

Table 26. Defibrated and Exploded Pulps

	Production		Apparent Consumption (b)		Exports		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1946	48,009	$1,019,492	48,009	$1,019,492	—	—	—	—
1947	52,613	1,244,072	52,613	1,244,072	—	—	—	—
1948	65,636	2,544,930	65,636	2,544,930	—	—	—	—
1949	75,403	2,289,933	75,403	2,289,933	—	—	—	—
1950	88,962	2,548,544	88,962	2,548,544	—	—	—	—
1951	113,166	3,500,575	113,166	3,500,575	—	—	—	—
1952	109,727	3,465,438	109,727	3,465,438	—	—	—	—
1953	125,443	3,525,748	125,443	3,525,748	—	—	—	—
1954	113,266	3,228,272	113,266	3,228,272	—	—	—	—
1955	139,136	3,937,264	139,136	3,937,264	—	—	—	—
1956	159,650e	n.a.	159,650e	n.a.	—	—	—	—

Footnotes: See Table 22.

Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials under the headings "Other wood fibre purchased" or "Other fibre and stock purchased".

Source: Dominion Bureau of Statistics.

Table 27. Screenings

SCREENINGS — CHEMICAL AND MECHANICAL

	Production		Apparent Consumption (b)		Exports (a)		Imports	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1923	43,966	$ 797,506	25,412	$ 349,957	18,554e	$ 447,549e	—	—
1924	50,777	816,248	32,490	415,483	18,287e	400,765e	—	—
1925	65,364	1,106,633	38,838	541,498	24,526e	565,135e	—	—
1926	77,310	1,132,290	48,983	552,682	28,327e	579,608e	—	—
1927	78,282	1,098,737	59,437	734,196	18,845	364,541	—	—
1928	87,591	1,134,702	55,898	513,806	31,693	620,896	—	—
1929	99,182	1,217,743	62,774	573,554	36,408	644,189	—	—
1930	71,158	882,027	47,496	466,421	23,662	415,606	—	—
1931	64,745	685,053	51,209	460,619	13,536	224,434	—	—
1932	53,789	406,708	46,257	328,771	7,532	77,937	—	—
SCREENINGS — CHEMICAL								
1933	27,700	228,953	18,661	83,441	9,039	145,512	—	—
1934	29,851	296,107	21,540	156,301	8,311	139,806	—	—
1935	28,230	226,254	19,919	116,561	8,311	109,693	—	—
1936	38,504	305,942	27,718	172,549	10,786	133,393	—	—
1937	48,871	527,450	38,765	360,376	10,106	167,074	—	—
1938	22,739	198,939	20,113	155,468	2,626	43,471	—	—
1939	27,760	231,642	24,400	192,908	3,360	38,734	—	—
1940	42,741	434,257	39,725	379,621	3,016	54,636	—	—
1941	48,270	560,969	36,668	332,063	11,602	228,906	—	—
1942	51,905	727,736	40,096	468,801	11,809	258,935	—	—
1943	51,053	787,239	33,219	379,227	17,834	408,012	—	—
1944	48,826	803,729	37,706	486,508	11,120	317,221	—	—
1945	53,121	797,527	42,725	487,527	10,396	310,000	—	—
1946	66,277	1,268,027	54,951	877,146	11,326	390,881	—	—
1947	82,228	2,125,787	69,335	1,474,569	12,893	651,218	—	—
1948	83,894	2,288,892	72,357	1,799,377	11,537	489,515	—	—
1949	71,179	1,579,401	65,010	1,435,838	6,169	143,563	—	—
1950	73,276	1,559,097	65,518	1,348,063	7,758	211,034	—	—
1951	86,945	2,714,728	76,925	2,222,232	10,020	492,496	—	—
1952	67,864	2,173,153	62,787	1,967,405	5,077	205,748	—	—
1953	64,384	1,949,166	61,455	1,838,292	2,929	110,874	—	—
1954	68,131	2,073,775	63,977	1,929,405	4,154	144,370	—	—
1955	70,269	2,105,955	64,297	1,883,006	5,972	222,949	—	—
1956	66,101e	n.a.	59,686e	n.a.	6,415	238,947	—	—
SCREENINGS — MECHANICAL								
1933	34,496	181,481	26,950	105,140	7,546	76,341	—	—
1934	54,324	318,648	49,562	282,493	4,762	36,155	—	—
1935	59,116	289,104	48,487	217,157	10,629	71,947	—	—
1936	73,944	423,103	61,264	320,896	12,680	102,207	—	—
1937	76,227	519,551	62,683	374,017	13,544	145,534	—	—
1938	58,741	479,301	53,132	423,609	5,609	55,692	—	—
1939	58,082	467,971	51,352	399,120	6,730	68,851	—	—
1940	62,725	512,784	58,507	450,542	4,218	62,242	—	—
1941	55,363	422,520	48,186	334,229	7,177	88,291	—	—
1942	48,021	407,032	41,036	323,913	6,985	83,119	—	—
1943	34,838	294,784	28,785	245,482	6,053	49,302	—	—
1944	36,846	428,558	32,872	387,684	3,974	40,874	—	—
1945	38,953	348,424	34,388	306,599	4,565	41,825	—	—
1946	68,876	863,096	61,082	700,505	7,794	162,591	—	—
1947	69,360	1,237,425	60,087	1,139,287	9,273	98,138	—	—
1948	69,101	1,092,077	60,609	997,744	8,492	94,333	—	—
1949	54,143	1,029,384	46,013	949,097	8,130	80,287	—	—
1950	32,573	611,620	26,137	533,239	6,436	78,381	—	—
1951	43,266	1,057,328	37,470	959,554	5,796	97,774	—	—
1952	39,140	1,095,428	33,465	971,248	5,675	124,180	—	—
1953	33,984	749,568	28,309	615,586	5,675	133,982	—	—
1954	35,062	768,499	28,564	612,931	6,498	155,568	—	—
1955	31,426	734,637	25,516	591,359	5,910	143,278	—	—
1956	29,562e	n.a.	19,773e	n.a.	9,789	447,733	—	—

a: For years prior to 1946, breakdown of total screenings exports into chemical and mechanical screenings estimated on basis of known quantity and value "made for export".

Other footnotes: See Table 22.

Note: Screenings were not reported separately prior to 1923. It is assumed that these were included with "Other wood-pulps". Exports of screenings prior to 1927 were probably shown with "All other manufactures of wood, n.o.p.".

Source: Dominion Bureau of Statistics.

Table 28. Other Wood-Pulps

Including certain grades of chemical, semi-chemical, and mechanical pulp.

Year	Production Tons	Production Value	Apparent Consumption (b) Tons	Apparent Consumption (b) Value	Exports Tons	Exports Value	Imports Tons	Imports Value
1920	27,228	$ 2,144,848	16,820	$1,275,549	11,165e	$ 964,164e	757	$ 94,865
1921	9,256	478,326	9,333	839,564	3,024e	50,023e	3,101	411,261
1922	12,326	310,292	7,797	312,667	6,255e	128,240e	1,726	130,615
1923	1,752	117,727	4,516	278,745	—	—	2,764	161,018
1924	3,051	195,417	4,119	270,979	—	—	1,068	75,562
1925	1,189	83,015	2,455	167,689	—	—	1,266	84,674
1926	5,876	339,792	7,907	466,970	—	—	2,031	127,178
1927	11,246	678,764	11,679	705,584	354e	24,780e	787	51,600
1928	18,559	1,106,868	14,477	844,166	4,349e	280,976e	267	18,274
1929	14,937	1,047,290	8,729	610,599	6,366e	447,320e	158	10,629
1930	12,804	768,240	7,639	400,145	5,187	369,585	22	1,490
1931	8,667	433,350	5,268	259,531	3,488	178,909	89	5,090
1932	7,133	356,650	5,102	277,118	2,071	83,008	40	3,476
1933	11,964	512,540	7,385	334,313	4,737	181,745	158	3,518
1934	15,097	624,872	7,147	281,503	7,950	343,369	—	—
1935	20,887	954,075	10,229	490,983	10,709	465,616	51	2,524
1936	20,238	961,305	6,983	375,189	13,373	591,062	118	4,946
1937	21,916	1,126,432	10,750	550,917	11,342	585,226	176	9,711
1938	19,183	918,904	9,213	431,280	10,039	490,665	69	3,041
1939	21,562	1,013,398	12,685	613,353	9,059	409,531	182	9,486
1940	27,698	1,646,513	15,389	931,860	12,334	716,514	25	1,861
1941	31,033	1,983,144	14,351	886,525	16,682	1,096,619	—	—
1942	33,731	2,155,963	14,974	912,965	18,757	1,242,998	—	—
1943	34,034	2,303,608	14,142	858,816	19,892	1,444,792	—	—
1944	31,814	2,255,364	14,545	898,521	17,269	1,356,843	—	—
1945	48,396	2,778,018	26,625	954,061	21,771	1,823,957	—	—
1946	42,150	2,852,383	22,483	1,088,562	19,667	1,763,821	—	—
1947	57,234	4,364,271	35,367	1,836,931	21,867	2,527,340	—	—
1948	89,848	6,515,005	64,532	3,226,492	25,316	3,288,513	—	—
1949	86,224	6,264,152	58,821	2,902,344	27,471	3,369,959	68	8,151
1950	103,039	7,286,530	70,007	3,004,090	33,059	4,286,212	27	3,772
1951	137,268	10,322,641	104,312	5,045,974	32,958	5,277,337	2	670
1952	105,826	8,782,266	76,842	4,488,711	28,984	4,293,855	—	—
1953	126,484	10,121,236	91,570	5,233,414	34,914	4,887,822	—	—
1954	125,529	10,346,542	87,606	5,039,297	37,923	5,307,245	—	—
1955	155,026	12,063,208	113,738	6,189,525	41,288	5,873,683	—	—
1956	183,582e	n.a.	138,632e	n.a.	44,950	6,395,205	—	—

Footnotes: See Table 22.

Source: Dominion Bureau of Statistics.

Table 29. Consumption of Wood-Pulp in Paper, Paperboard, and Other Board Production, by Kinds

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded Tons(**)	Other Wood-Pulp Tons
1920	1,156,897	23,435	270,233	55,672	799,159	—	—	8,398
1921	1,002,930	66,902	210,188	31,464	689,038	—	—	5,338
1922	1,322,951	29,201	307,642	56,356	925,761	—	—	3,991
1923	1,543,124	34,982	363,843	70,970	1,060,887	9,454	—	2,988
1924	1,875,819	38,483	384,928	63,784	1,176,601	704	—	11,319
1925	1,847,753	43,378	381,816	105,212	1,279,943	34,958	—	2,446
1926	2,230,556	53,226	529,806	67,561	1,528,622	38,991	—	12,350
1927	2,444,047	55,700	550,609	77,463	1,707,657	33,906	—	18,712
1928	2,809,488	63,372	631,535	86,276	1,948,104	60,830	—	19,371
1929	3,173,974	66,868	725,268	91,932	2,210,046	69,441	—	10,419
1930	2,897,142	54,533	615,011	84,818	2,068,712	64,827	—	9,241
1931	2,565,843	56,259	530,191	81,487	1,842,234	48,751	—	6,921
1932	2,234,986	52,642	463,734	91,029	1,576,849	44,864	—	5,868
1933	2,368,120	53,109	458,729	105,573	1,690,453	51,320	—	8,936
1934	3,008,167	61,263	554,101	121,797	2,192,987	70,484	—	7,535
1935	3,212,704	72,253	557,794	133,897	2,369,378	70,796	—	8,586
1936	3,745,959	84,709	639,474	151,568	2,755,974	105,685	—	8,549
1937	4,252,954	77,092	741,051	181,232	3,136,195	106,334	—	11,050
1938	3,122,180	74,380	503,020	147,013	2,312,001	75,876	—	9,890
1939	3,460,614	85,661	530,474	183,771	2,567,348	81,352	—	12,008
1940	4,176,879	101,086	649,919	227,654	3,087,225	95,830	—	15,165
1941	4,364,329	110,431	671,265	251,880	3,226,986	87,037	—	16,730
1942	4,061,458	124,258	607,684	265,728	2,969,746	79,182	—	14,860
1943	3,788,317	114,071	559,440	254,246	2,773,972	72,116	—	14,472
1944	3,859,645	119,572	506,619	288,352	2,851,835	78,929	—	14,338
1945	4,199,106	134,045	561,437	298,541	3,070,021	84,517	23,803	26,742
1946	5,183,555	143,878	769,492	358,148	3,728,740	111,586	48,549	23,162
1947	5,585,061	166,616	861,704	379,606	3,964,383	124,485	52,613	35,654
1948	5,853,300	158,314	915,203	414,589	4,109,469	125,794	65,636	64,295
1949	6,339,007	158,648	1,013,091	408,340	4,516,610	107,212	75,403	59,703
1950	6,592,006	176,702	1,054,060	462,726	4,649,708	89,877	88,962	69,971
1951	7,015,882	195,067	1,141,729	507,625	4,844,796	109,192	113,166	104,307
1952	7,053,398	177,919	1,187,043	472,169	4,928,812	95,530	110,039	81,886
1953	7,147,017	178,939	1,241,463	514,057	4,902,511	87,412	125,466	97,169
1954	7,456,475	181,597	1,323,042	554,758	5,093,895	95,987	113,266	93,930
1955	7,799,877	188,953	1,457,334	590,639	5,213,502	91,580	139,136	118,733
1956	8,290,652e	214,996e	1,540,946e	706,099e	5,435,865e	86,745e	159,650e	146,351e

e: Canadian Pulp and Paper Association estimate.

* See note Table 27.

** See note Table 26.

Source: Dominion Bureau of Statistics.

Table 30. Consumption of Wood-Pulp in Paper, Paperboard, and Other Board Production, by Sources, 1920-1956

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded Tons(**)	Other Wood-Pulp Tons
1920 - 1951								
OWN PULP FROM SAME MILL								
1920	963,762	3,630	199,507	51,041	702,519	—	—	7,065
1921	870,543	43,291	155,504	24,903	643,164	—	—	3,681
1922	1,188,581	7,248	242,832	48,611	888,783	—	—	1,107
1923	1,373,245	9,930	281,898	60,378	1,013,538	6,161	—	1,340
1924	1,461,673	9,646	288,081	54,803	1,103,088	—	—	6,055
1925	1,643,123	14,184	285,294	95,099	1,222,210	25,305	—	1,031
1926	2,012,624	16,389	426,512	58,743	1,472,367	31,773	—	6,840
1927	2,246,051	15,029	459,196	66,537	1,667,757	26,915	—	10,617
1928	2,644,345	19,514	567,462	75,623	1,929,630	44,266	—	7,850
1929	2,981,478	22,949	651,818	80,881	2,185,029	40,801	—	—
1930	2,736,964	20,523	560,977	71,755	2,045,504	37,833	—	372
1931	2,432,474	23,003	486,735	66,191	1,831,251	25,294	—	—
1932	2,117,580	21,390	425,568	73,670	1,567,646	29,306	—	—
1933	2,236,853	21,335	427,595	82,164	1,675,204	30,555	—	—
1934	2,854,599	21,843	512,164	100,566	2,179,628	40,392	—	6
1935	3,041,835	26,357	508,748	108,319	2,354,442	43,119	—	850
1936	3,557,373	28,123	592,048	124,933	2,742,159	66,653	—	3,457
1937	4,056,147	31,148	677,084	152,941	3,123,599	66,702	—	4,673
1938	2,953,745	32,527	448,031	121,267	2,302,009	46,340	—	3,571
1939	3,271,263	38,863	471,295	154,155	2,555,740	47,106	—	4,104
1940	3,959,472	46,627	585,314	191,573	3,067,887	63,113	—	4,958
1941	3,132,158	49,996	606,079	214,050	3,203,887	53,508	—	4,638
1942	3,846,947	64,852	540,453	227,046	2,957,592	51,874	—	5,130
1943	3,574,185	50,981	500,084	211,526	2,759,392	47,661	—	4,541
1944	3,651,322	58,306	453,584	242,900	2,840,653	51,331	—	4,548
1945	3,978,373	58,601	517,586	249,896	3,057,837	53,585	23,803	17,065
1946	4,922,055	60,573	699,812	318,359	3,712,242	69,657	48,549	12,863
1947	5,249,369	67,720	759,869	339,665	3,928,813	76,895	52,613	23,794
1948	5,534,167	64,534	811,142	374,707	4,077,780	88,225	65,636	52,143
1949	5,991,912	67,435	928,159	363,564	4,427,388	81,135	75,403	48,828
1950	6,213,302	74,043	956,733	403,458	4,566,343	63,788	88,962	59,975
1951	6,583,069	80,225	1,036,328	435,335	4,743,924	80,731	113,166	93,360
PURCHASED PULP AND OWN PULP FROM OTHER MILLS								
1920	193,135	19,805	70,726	4,631	96,640	—	—	1,333
1921	132,387	23,611	54,684	6,561	45,874	—	—	1,657
1922	134,370	21,953	64,810	7,745	36,978	—	—	2,884
1923	169,879	25,052	81,945	10,592	47,349	3,293	—	1,648
1924	214,146	28,837	96,847	8,981	73,513	704	—	5,264
1925	204,630	29,194	96,522	10,113	57,733	9,653	—	1,415
1926	217,932	36,837	103,294	8,818	56,255	7,218	—	5,510
1927	197,996	40,671	91,413	10,926	39,900	6,991	—	8,095
1928	165,143	43,858	64,073	10,653	18,474	16,564	—	11,521
1929	192,496	43,919	73,450	11,051	25,017	28,640	—	10,419
1930	160,178	34,010	54,034	13,063	23,208	26,994	—	8,869
1931	133,369	33,256	43,456	15,296	10,983	23,457	—	6,921
1932	117,406	31,252	38,166	17,359	9,203	15,558	—	5,868
1933	131,267	31,774	31,134	23,409	15,249	20,675	—	8,936
1934	153,568	39,420	41,937	21,231	13,359	30,092	—	7,529
1935	170,869	45,896	49,046	25,678	14,936	27,677	—	7,736
1936	188,586	56,586	47,426	26,635	13,815	39,032	—	5,092
1937	196,807	45,944	63,967	28,291	12,596	39,632	—	6,377
1938	168,435	41,853	54,989	25,746	9,992	29,536	—	6,319
1939	189,351	46,798	59,179	29,616	11,608	34,246	—	7,904
1940	217,407	54,459	64,605	36,081	19,338	32,717	—	10,207
1941	232,171	60,435	65,186	37,830	23,099	33,529	—	12,092
1942	214,511	59,406	67,231	38,682	12,154	27,308	—	9,730
1943	214,132	63,090	59,356	42,720	14,580	24,455	—	9,931
1944	208,323	61,266	53,035	45,452	11,182	27,598	—	9,790
1945	220,733	75,444	43,851	48,645	12,184	30,932	—	9,677
1946	261,500	83,305	69,680	39,789	16,498	41,929	—	10,299
1947	335,692	98,896	101,835	39,941	35,570	47,590	—	11,860
1948	319,133	93,780	104,061	39,882	31,689	37,569	—	12,152
1949	347,095	91,213	84,932	44,776	89,222	26,077	—	10,875
1950	378,704	102,659	97,327	59,268	83,365	26,089	—	9,996
1951	432,813	114,842	105,401	72,290	100,872	28,461	—	10,947
1952 - 1956								
OWN PULP FROM SAME MILL								
1952	6,660,897	78,880	1,081,585	410,030	4,845,369	68,476	109,727	66,830
1953	6,744,045	74,710	1,118,222	437,985	4,844,401	59,997	125,443	83,287
1954	7,047,544	75,765	1,198,224	457,571	5,058,049	66,380	113,266	78,289
1955	7,315,431	76,234	1,303,254	475,197	5,156,788	64,997	139,136	99,825
1956	7,752,127e	84,796e	1,380,759e	583,400e	5,361,581e	62,033e	159,650e	119,908e
OWN PULP FROM OTHER MILLS								
1952	216,496	51,874	78,942	16,459	49,083	17,007	—	3,131
1953	198,812	55,528	90,626	23,313	8,534	16,829	—	3,982
1954	204,944	58,225	93,327	24,354	8,145	17,425	—	3,468
1955	228,622	58,796	108,670	29,624	8,326	18,207	—	4,999
1956	243,638e	65,400e	115,133e	31,066e	8,657e	17,377e	—	6,005e
PURCHASED PULP								
1952	176,005	47,165	26,616	45,680	34,360	10,047	312	11,925
1953	204,160	48,701	32,615	52,759	49,576	10,586	23	9,900
1954	203,987	47,607	31,491	72,833	27,701	12,182	—	12,173
1955	255,824	53,923	45,410	85,818	48,388	8,376	—	13,909
1956	294,887e	64,800e	45,054e	91,633e	65,627e	7,335e	—	20,438e

e: Canadian Pulp and Paper Association estimate.
Note: Prior to 1952 transfers of own pulp from one mill to another were reported as purchases by the consuming mills and as sales by the producing mills.
* See note Table 27.
** See note Table 26.
Source: Dominion Bureau of Statistics.

Table 31.

Imports of Wood-Pulp

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Other Wood-Pulp Tons
1920	21,142	50	13,162	3,587e	3,586e	757
1921	20,196	25	14,228	1,585e	1,257e	3,101
1922	17,576	184	15,390	276e	—	1,726
1923	18,401	207	14,258	—	1,172e	2,764
1924	24,496	79	20,301	112	2,936	1,068
1925	23,423	320	20,484	—	1,353	1,266
1926	22,938	257	17,927	—	2,723	2,031
1927	23,677	213	22,325	—	352	787
1928	22,424	293	21,675	—	189	267
1929	19,874	588	18,930	c	198	158
1930	18,526	1,291	12,937	1,672	2,604	22
1931	14,418	201	12,741	983	404	89
1932	13,420	161	13,072	6	40	141
1933	5,708	74	5,430	2	158	44
1934	8,205	87	8,086	c	32	—
1935	16,378	106	16,104	—	117	51
1936	19,201	31	19,008	1	43	118
1937	21,054	20	20,443	c	415	176
1938	16,979	61	15,970	639	240	69
1939	21,544	895	19,334	1,112	21	182
1940	19,996	1,661	18,009	159	142	25
1941	20,653	1,031	16,047	—	3,575	—
1942	21,450	1,861	19,589	—	—	—
1943	21,662	3,046	18,616	—	—	—
1944	13,747	3,391	10,356	—	—	—
1945	14,510	2,999	10,758	—	753	—
1946	14,471	4,121	10,295	—	55	—
1947	28,326	4,963	22,121	—	1,242	—
1948	33,004	5,290	25,295	150	2,269	—
1949	35,432	8,824	23,979	2,199	362	68
1950	36,583	7,245	25,941	2,185	1,185	27
1951	36,416	5,061	25,758	4,047	1,548	2
1952	54,589	6,985	27,678	4,530	15,396	—
1953	43,384	6,792	26,573	7,473	2,546	—
1954	51,691	7,477	28,630	11,593	3,991	—
1955	59,636	13,138	33,431	12,932	135	—
1956	63,904	12,164	38,697	13,043	—	—

Footnotes: See Table 22.

Source: Dominion Bureau of Statistics.

Table 32.

Newfoundland Production and Exports of Wood-Pulp

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated with the Canadian totals.

Year†	Production		Exports			
			Unbleached Sulphite		Mechanical	
	Unbleached Sulphite Tons	Mechanical Tons	Tons	$	Tons	$
1920	n.a.	n.a.	2,324	205,151	17,540	129,125
1921	n.a.	n.a.	—	—	26,838	246,009
1922	n.a.	n.a.	—	—	19,932	364,514
1923	n.a.	n.a.	—	—	21,680	364,289
1924	n.a.	n.a.	—	—	31,674	531,833
1925	n.a.	n.a.	—	—	12,711	215,896
1926	n.a.	n.a.	—	—	11,147	175,325
1927	58,422	177,470	—	—	3,689	56,801
1928	57,320	174,163	—	—	22	143
1929	55,515	176,368	—	—	65	956
1930	65,036	222,665	—	—	c	6
1931	60,626	220,460	—	—	—	—
1932	51,808	211,642	—	—	—	—
1933	42,990	222,665	—	—	—	—
1934	49,603	256,836	—	—	—	—
1935	52,326	279,106	—	—	—	—
1936	49,355	272,512	—	—	—	—
1937	57,752	295,000	—	—	—	—
1938	40,609	226,017	4,334	182,618	—	—
1939	52,907	263,395	—	—	—	—
1940	85,306	308,132	11,111	512,949	98	3,463
1941	105,065	307,689	28,932	1,676,921	8,685	252,557
1942	118,071	265,219	57,849	3,284,247	22,779	790,137
1943	77,729	239,842	30,827	1,742,820	24,825	870,777
1944	70,466	287,776	36,541	2,088,100	35,517	1,463,790
1945	77,806	314,144	27,559	1,661,620	38,250	1,814,895
1945*	.....	.....	33,753	2,299,055	12,389	744,931
1946	72,255	331,085	15,177	1,231,586	246	14,986
1947	99,391	340,070	39,755	2,753,059	404	24,900
1948	115,965	351,726	42,139	3,224,896	2,435	154,637

† All production figures are for calendar years. Export figures 1920-1942, fiscal years ending June 30; 1943, 9 months ending March 31: 1945*, 9 months ending December 31; 1946-1948, calendar years.

Other footnotes: See Table 22.

Sources: Production, 1927-1944, United States Pulp Producers' Association; 1945-1948, Canadian Pulp and Paper Association. Exports, Newfoundland Customs Returns.

Table 33. Average Value Per Ton of U.S. Pulp Imports From Canada & Newfoundland

	Bl. Sulphite Rayon & Special Chemical	Bl. Sulphite Except Rayon & Special Chemical	Unbleached Sulphite	Bleached Sulphate	Unbleached Sulphate	Mechanical
1937	$ 71.82	$ 57.21	$ 41.47	$ 66.83	$ 41.10	$19.23
1938	86.65	53.16	37.97	67.28	47.24	22.50
1939	74.82	48.42	36.40	58.87	48.84	24.26
1940	78.45	61.88	48.84	74.81	58.18	28.05
1941	82.04	67.37	53.86	80.64	57.84	28.25
1942	81.22	68.21	56.09	84.55	61.08	34.57
1943	84.47	69.69	57.89	85.72	62.94	32.28
1944	92.68	78.38	65.99	85.85	66.77	38.31
1945	93.89	79.49	67.51	85.77	69.25	40.10
1946	109.74	87.19	76.80	93.48	77.98	45.30
1947	136.49	123.41	103.06	120.65	104.58	59.76
1948	152.39	134.01	112.90	146.02	122.82	63.63
1949	149.55	116.03	98.28	123.68	99.47	57.69
1950	149.59	115.54	93.01	122.44	92.31	55.74
1951	176.89	152.79	129.97	167.50	148.42	81.06
1952	182.13	148.44	135.01	160.05	132.24	76.80
1953	181.17	134.55	111.17	135.82	106.36	73.36
1954	176.42	133.86	108.00	133.39	105.85	73.07
1955	177.46	136.14	114.23	138.74	109.46	73.37

Source: United States Pulp Producers Association.

Table 34. Canadian Pulp in U.S. Market

The following figures cover all grades of pulp including mechanical and screenings. Over the war years imports of mechanical pulp by the United States averaged some 17 per cent of total pulp imports.

Tons	U.S. Pulp Production	Total U.S. Imports	U.S. Imports from Canada	U.S. Exports	U.S. Net Imports
1925	3,962,217	1,663,614	880,453	37,995	1,625,619
1926	4,394,766	1,731,413	864,333	34,220	1,697,193
1927	4,313,403	1,675,768	778,999	32,006	1,643,762
1928	4,510,800	1,754,963	784,981	33,484	1,721,479
1929	4,862,885	1,880,728	796,945	54,067	1,826,661
1930	4,630,308	1,830,217	735,864	48,426	1,781,791
1931	4,409,344	1,596,421	550,127	53,308	1,543,113
1932	3,760,267	1,481,760	425,326	47,860	1,433,900
1933	4,276,204	1,941,576	550,871	79,193	1,862,383
1934	4,436,128	1,805,972	541,728	142,932	1,663,040
1935	4,925,669	1,933,249	541,078	171,853	1,761,396
1936	5,695,219	2,277,500	670,962	193,485	2,084,015
1937	6,572,918	2,394,605	712,238	322,544	2,072,061
1938	5,933,560	1,710,393	467,323	140,484	1,569,909
1939	6,993,334	2,026,441	637,953	139,504	1,886,937
1940	8,959,559	1,224,570	828,307	480,938	743,632
1941	10,375,422	1,157,886	1,130,624	328,608	829,278
1942	10,783,430	1,236,519	1,210,960	378,148	858,371
1943	9,680,462	1,305,549	1,279,886	300,700	1,004,849
1944	10,108,443	1,071,864	1,071,814	218,401	853,463
1945	10,167,200	1,754,065	1,079,014	135,362	1,618,703
1946	10,606,527	1,805,488	1,244,215	39,361	1,766,127
1947	11,945,864	2,322,460	1,520,913	130,096	2,192,364
1948	12,872,292	2,176,111	1,593,584	93,727	2,082,384
1949	12,207,279	1,763,102	1,313,884a	122,133	1,640,969
1950	14,848,951	2,385,181	1,717,035a	95,673	2,289,508
1951	16,524,408	2,360,706	1,876,505a	201,908	2,158,798
1952	16,472,979	1,941,259	1,581,214a	211,924	1,729,335
1953	17,537,297	2,157,574	1,613,665a	161,687	1,995,887
1954	18,333,153	2,051,798	1,679,448a	443,870	1,607,928
1955	20,739,696	2,212,946	1,864,721a	632,944	1,580,002
1956	22,121,285p	2,332,339p	1,954,678ap	526,104p	1,806,235p

a: Includes Newfoundland.
p: preliminary.
Source: United States Bureau of the Census.

Table 35. World Pulp Figures — 1955*

In 000's of short tons

	Production	Imports	Exports
Canada (incl. Newfoundland)	10,150	60	2,366
United States	20,740	2,213	633
	30,890	2,273	2,999
Finland	3,026	—	1,439
Norway	1,486	36	767
Sweden	4,280	—	2,538
	8,792	36	4,744
Western & Central Europe (a)	4,040	4,946	355
Other countries (b)	2,654	396	35
Total, above countries	46,376	7,651	8,133

(a) Includes Austria, Belgium, Denmark, France, Great Britain, Greece, Italy, Netherlands, Portugal, Spain, Switzerland, Turkey, Western Germany, and Yugoslavia.

(b) Includes Australia, Brazil, Chile, India, Japan, New Zealand and Venezuela.

* Includes data from major pulp producing and consuming countries for which reliable and current data are available.

Source: United States Pulp Producers Association.

Table 36. World Wood-Pulp Production, 1946-1955* (000's OF SHORT TONS)

	Canada (a)			United States			Scandinavia			Other Countries (c)			Total		
	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)
1946	4,329	2,499	7,019	1,951	7,541	10,607	1,561	3,300	4,930	812	610	1,433	8,653	13,950	23,989
1947	4,615	2,855	7,693	2,050	8,644	11,946	1,686	3,778	5,446	1,080	848	1,942	9,331	16,125	27,027
1948	4,765	3,113	8,143	2,175	9,335	12,872	1,878	4,124	6,099	1,414	1,246	2,675	10,232	17,818	29,789
1949	4,719	2,891	7,853	1,960	9,006	12,207	1,865	4,028	5,997	1,632	1,576	3,224	10,176	17,501	29,281
1950	4,911	3,314	8,473	2,216	10,872	14,849	2,164	4,506	6,791	1,924	1,968	3,909	11,215	20,660	34,022
1951	5,172	3,814	9,315	2,474	12,160	16,524	2,329	4,905	7,388	2,206	2,480	4,730	12,181	23,359	37,957
1952	5,175	3,518	8,968	2,321	12,065	16,473	2,132	4,365	6,606	2,179	2,483	4,705	11,807	22,431	36,752
1953	5,123	3,663	9,077	2,343	12,872	17,537	2,260	4,517	6,946	2,329	2,798	5,177	12,055	23,850	38,737
1954	5,338	4,057	9,673	2,429	13,420	18,348	2,526	5,437	8,133	2,597	3,358	6,021	12,890	26,272	42,175
1955	5,467	4,359	10,150	2,729	13,269	20,740	2,567	5,925	8,792	2,810	3,738	5,694	13,573	27,291	46,376

* Includes the output of major pulp-producing countries for which reliable and current data are available. According to the FAO Yearbook of Forest Products Statistics, 1955, which includes the output of the U.S.S.R. and a few other countries not covered in this table, the world's production of wood-pulp and other fibre pulp totalled 45,535,000 tons in 1954.
a: Including Newfoundland.
b: Including semi-chemical, defibrated, exploded, off-quality and screenings.
c: Australia, Austria, Belgium, Brazil, Chile, Denmark, France, Western Germany, Italy, Japan, Netherlands, New Zealand, Portugal, Spain, Switzerland, Turkey, United Kingdom and Yugoslavia.
Sources: United States Pulp Producers' Association and Canadian Pulp and Paper Association.

Table 37. World Wood-Pulp Exports, 1946-1955* (000's OF SHORT TONS)

	Canada (a)			United States			Scandinavia			Other Countries (c)			Total		
	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)	Mechanical	Chemical	All Grades (b)
1946	269	1,146	1,434	—	38	39	492	2,299	2,791	1	15	16	762	3,498	4,280
1947	320	1,397	1,739	—	128	130	497	2,555	3,052	1	19	21	818	4,099	4,942
1948	299	1,524	1,843	—	92	94	589	2,581	3,170	†	52	53	888	4,249	5,160
1949	207	1,336	1,557	†	121	122	750	2,851	3,601	5	91	96	962	4,399	5,376
1950	248	1,584	1,846	†	93	96	851	3,220	4,071	10	215	225	1,109	5,112	6,238
1951	323	1,905	2,243	—	200	202	927	3,225	4,152	9	211	220	1,259	5,541	6,817
1952	255	1,675	1,941	—	211	212	807	2,534	3,341	8	152	160	1,070	4,572	5,654
1953	288	1,713	1,950	—	160	162	906	3,253	4,159	16	218	234	1,150	5,344	6,505
1954	232	1,938	2,180	—	440	444	1,032	3,434	4,466	10	323	333	1,274	6,135	7,423
1955	262	2,092	2,366	—	628	633	1,070	3,674	4,744	14	376	390	1,346	6,770	8,133

* Includes exports from major pulp-exporting countries for which reliable and current data are available. According to the FAO Yearbook of Forest Products Statistics, 1955, which includes the exports of the U.S.S.R. and a few other countries not covered in this table, the world's exports of wood-pulp and other fibre pulp totalled 7,516,000 tons in 1954.
† Less than 500 tons
a: Including Newfoundland.
b: Including semi-chemical, defibrated, exploded, off-quality and screenings.
c: Austria, Belgium, Western Germany, Japan, Netherlands, New Zealand, Portugal, Switzerland and Yugoslavia.
Sources: United States Pulp Producers' Association and Canadian Pulp and Paper Association.

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Data in this section have been compiled by Newsprint Association of Canada from the sources mentioned.

Throughout this section Newfoundland statistics are included, unless otherwise noted, in the Canadian totals for all years. For reference purposes only Newfoundland data to 1949 are given separately in Table 43.

Table 38. Newsprint Capacity, Production and Shipments

Tons	Annual Capacity	Annual Production	Oper. Ratio	Shipments To U.S.A.	Shipments To Overseas	Total Exports	Shipments In Canada	Total Shipments	Mill Stocks
1915	.....	549,000	...	329,000	95,000	424,000	.....	.....	.....
1916	.....	662,000	...	438,000	125,000	563,000	.....	.....	.....
1917	.....	722,000	...	491,000	79,000	570,000	.....	.....	.....
1918	837,000	770,000	92.0	602,000	65,000	667,000	.....	.....	.....
1919	905,000	849,000	93.8	628,000	115,000	743,000	.....	.....	.....
1920	1,016,000	938,000	92.3	679,306	160,000	839,306	110,000	949,306	67,999
1921	1,151,000	852,000	74.0	656,660	96,000	752,660	95,000	847,660	72,339
1922	1,277,000	1,143,244	89.5	896,311	136,000	1,032,311	129,000	1,161,311	54,272
1923	1,465,000	1,330,138	90.8	1,108,466	85,000	1,193,466	120,000	1,313,466	70,944
1924	1,638,000	1,417,642	86.5	1,200,803	88,000	1,288,803	127,000	1,415,803	72,783
1925	1,823,000	1,618,805	88.8	1,315,404	148,000	1,463,404	124,000	1,587,404	104,184
1926	2,121,000	2,068,208	97.5	1,750,749	182,000	1,932,749	147,000	2,079,749	92,643
1927	2,716,000	2,289,801	84.3	1,865,003	234,000	2,099,003	181,000	2,280,003	102,441
1928	3,262,000	2,611,847	80.1	2,040,920	370,000	2,410,920	193,000	2,603,920	110,368
1929	3,512,000	2,984,327	85.0	2,326,502	442,000	2,768,502	208,000	2,976,502	118,193
1930	3,902,000	2,791,406	71.5	2,145,471	442,000	2,587,471	162,000	2,749,471	160,128
1931	4,127,000	2,516,437	61.0	1,915,838	377,000	2,292,838	195,000	2,487,838	188,727
1932	4,142,000	2,186,120	52.8	1,647,216	386,000	2,033,216	146,000	2,179,216	195,631
1933	4,149,000	2,282,066	55.0	1,715,331	459,447	2,174,778	148,640	2,323,418	154,279
1934	4,182,000	2,911,355	69.6	2,113,767	625,877	2,739,644	173,755	2,913,399	152,235
1935	4,263,120	3,082,994	72.3	2,122,099	727,338	2,849,437	200,303	3,049,740	185,489
1936	4,217,860	3,535,465	83.8	2,550,925	845,778	3,396,703	194,808	3,591,511	129,443
1937	4,210,743	3,997,942	94.9	3,044,731	766,933	3,811,664	220,200	4,031,864	95,521
1938	4,534,884	2,892,984	63.8	1,940,303	680,229	2,620,532	159,792	2,780,324	208,181
1939	4,632,936	3,174,544	68.5	2,281,460	653,151	2,934,611	190,102	3,124,713	258,012
1940	4,716,030	3,769,946	79.9	2,741,363	877,851	3,619,214	184,605	3,803,819	224,139
1941	4,702,671	3,770,665	80.2	2,987,235	616,890	3,604,125	197,508	3,801,633	193,171
1942	4,763,235	3,454,528	72.5	3,006,592	278,791	3,285,383	203,484	3,488,867	158,832
1943	4,677,951	3,219,004	68.8	2,680,790	398,640	3,079,430	193,848	3,273,278	104,558
1944	4,726,464	3,264,581	69.1	2,529,693	553,457	3,083,150	188,261	3,271,411	97,728
1945	4,672,080	3,591,901	76.9	2,665,947	685,469	3,351,416	201,492	3,552,908	136,721
1946	4,640,944	4,506,063	97.1	3,563,124	684,770	4,247,894	248,366	4,496,260	146,524
1947	4,728,724	4,820,164	101.9	3,897,300	700,839	4,598,139	275,144	4,873,283	93,405
1948	4,883,127	4,982,834	102.0	4,127,970	532,589	4,660,559	306,485	4,967,044	109,195
1949	5,113,108	5,176,327	101.2	4,380,250	448,697	4,828,947	335,385	5,164,332	121,190
1950	5,226,675	5,278,585	101.0	4,748,228	207,803	4,956,031	354,602	5,310,633	89,142
1951	5,359,816	5,516,279	102.9	4,783,549	360,067	5,143,616	359,895	5,503,511	101,910
1952	5,510,397	5,687,051	103.2	4,835,065	462,616	5,297,681	368,768	5,666,449	122,512
1953	5,722,640	5,721,296	100.0	4,861,372	472,915	5,334,287	398,277	5,732,564	111,244
1954	5,919,917	5,984,207	101.1	4,875,031	674,534	5,549,565	420,896	5,970,461	124,990
1955	6,064,489	6,190,647	102.1	5,070,211	734,902	5,805,113	430,444	6,235,557	80,080
1956	6,242,514	6,468,815	103.6	5,229,748	741,944	5,971,692	477,130	6,448,822	100,073

Capacity is shown as at the beginning of each year plus allowances for new machines from the date they are expected to operate. It is possible for production to exceed capacity partly because no allowance is made for improvements in equipment during the year.

Figures for 1915-17 cover fiscal years.

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 39. Newsprint Capacity and Production

Tons	Number of Work Days	Capacity Per Day	Production Per Day
1935	310	13,752	9,945
1936	310	13,606	11,405
1937	309	13,627	12,938
1938	309	14,676	9,362
1939	308	15,042	10,307
1940	310	15,213	12,161
1941	309	15,219	12,203
1942	309	15,415	11,180
1943	309	15,139	10,417
1944	309	15,296	10,565
1945	309	15,120	11,624
1946	308	15,068	14,630
1947	308	15,353	15,650
1948	309	15,803	16,126
1949	308	16,601	16,806
1950	307	17,025	17,194
1951	308	17,402	17,910
1952	309	17,833	18,405
1953	308	18,580	18,576
1954	311	19,030	19,306
1955	310	19,559	19,963
1956	310	20,115	20,890

Because of variations in the number of workdays, daily capacity provides the most accurate measurement of changes in capacity.

Source: Newsprint Association of Canada.

Table 40. Newsprint Overseas Shipments

Tons	British Isles	Australia & N.Z.	South America	Central America	All Others
1935	330,331	143,106	95,907	21,707	136,287
1936	347,516	232,502	104,439	35,016	126,305
1937	408,043	125,222	101,468	42,508	89,692
1938	384,149	213,400	35,245	15,351	32,084
1939	354,211	171,839	54,501	29,757	42,843
1940	335,586	196,028	172,153	56,454	117,630
1941	150,863	91,441	208,144	60,735	105,707
1942	69,659	10,780	99,336	64,355	34,661
1943	127,856	52,202	133,188	47,308	38,086
1944	149,934	111,543	140,686	75,883	75,411
1945	223,044	116,211	146,700	78,957	120,557
1946	119,631	195,067	158,373	96,576	115,123
1947	131,203	212,444	131,658	102,382	123,152
1948	123,310	78,196	95,213	112,198	123,672
1949	126,484	74,000	33,417	106,332	108,464
1950	28,056	33,030	16,469	88,454	41,794
1951	103,462	37,671	15,463	116,306	87,165
1952	135,749	76,266	29,020	134,008	87,573
1953	189,591	48,396	30,420	127,997	76,511
1954	272,781	76,710	54,289	132,038	138,716
1955	306,910	99,202	51,621	115,120	162,049
1956	355,197	73,779	54,804	137,524	120,640

Source: Newsprint Association of Canada.

Table 41. Value of Newsprint Production and Exports

Figures for 1915-1948 do not include Newfoundland.

	Production	Exports
1915	$ a	$ 16,438,679
1916	a	21,098,997
1917	38,868,084	32,561,020
1918	46,230,814	37,301,269
1919	54,427,879	49,811,362
1920	80,865,271	72,920,225
1921	78,784,598	69,786,317
1922	75,971,327	68,362,817
1923	93,213,340	85,611,258
1924	100,276,903	90,990,711
1925	106,268,641	98,945,337
1926	121,064,946	114,090,595
1927	132,286,729	123,222,094
1928	144,146,632	141,103,527
1929	160,800,157	148,865,648
1930	136,181,883	133,370,932
1931	111,419,637	107,233,112
1932	85,539,852	82,966,199
1933	66,959,501	69,200,515
1934	86,811,460	82,503,659
1935	88,436,465	87,924,251
1936	105,214,533	103,639,634
1937	126,424,303	126,466,412
1938	107,051,202	104,615,042
1939	120,858,583	115,687,288
1940	158,447,311	151,360,196
1941	158,925,310	154,356,543
1942	147,074,109	141,065,618
1943	152,962,868	144,707,065
1944	165,655,165	157,190,834
1945	189,023,736	179,450,771
1946	280,809,610	265,864,969
1947	355,540,669	342,293,158
1948	402,099,718	383,122,743
1949	467,976,343	440,054,067
1950	506,968,207	485,746,314
1951	564,361,193	536,372,498
1952	600,515,960	591,790,209
1953	633,408,019	619,033,394
1954	657,487,344	635,669,692
1955	688,338,369	665,876,987
1956	a	708,384,822

a: Not available.

Source: Dominion Bureau of Statistics.

Table 42. U.S. Newsprint Production

Tons	Capacity	Production	Shipments to: U.S.A.	Shipments to: Overseas	Total Shipments
1913	.....	1,305,000	.....	.....	.....
1914	.....	1,313,000	.....	.....	.....
1915	.....	1,239,000	.....	.....	.....
1916	.....	1,315,000	.....	.....	.....
1917	.....	1,359,000	.....	.....	.....
1918	1,450,000	1,260,000	.....	.....	.....
1919	1,388,000	1,375,000	.....	.....	.....
1920	1,548,000	1,511,968	.....	.....	1,502,574
1921	1,668,000	1,225,235	.....	.....	1,226,064
1922	1,639,000	1,447,688	.....	.....	1,452,414
1923	1,578,000	1,485,000	.....	.....	1,477,332
1924	1,632,000	1,481,424	.....	.....	1,480,819
1925	1,721,000	1,530,318	1,521,560	12,785	1,534,345
1926	1,763,000	1,684,218	1,679,952	4,838	1,684,790
1927	1,788,000	1,485,495	1,471,950	2,571	1,474,521
1928	1,735,000	1,417,572	1,397,082	2,343	1,399,425
1929	1,741,000	1,392,276	1,406,469	2,770	1,409,239
1930	1,687,000	1,282,372	1,262,721	5,344	1,268,065
1931	1,768,000	1,157,436	1,156,610	1,217	1,157,827
1932	1,771,000	1,008,588	1,008,982	981	1,009,963
1933	1,735,000	946,374	949,730	441	950,171
1934	1,714,000	961,403	962,318	4,197	966,515
1935	1,504,000	912,392	910,895	6,341	917,236
1936	1,471,000	921,408	911,488	5,188	916,676
1937	1,464,000	945,721	940,089	4,540	944,629
1938	1,094,000	820,055	816,295	282	816,577
1939	972,000	939,442	942,240	2,833	945,073
1940	1,081,000	1,013,437	998,378	14,556	1,012,934
1941	1,085,000	1,014,912	995,448	25,333	1,020,781
1942	1,126,000	952,616	932,931	17,670	950,601
1943	1,033,000	804,853	788,932	14,530	803,462
1944	1,033,000	719,802	708,815	14,622	723,437
1945	981,000	724,448	707,433	18,032	725,465
1946	839,000	770,890	753,631	8,381	762,012
1947	845,000	825,554	824,020	8,451	832,471
1948	850,000	867,494	857,540	9,309	866,849
1949	876,000	899,528	883,657	14,003	897,660
1950	992,000	1,014,703	1,002,125	15,151	1,017,276
1951	1,050,000	1,124,748	1,107,552	17,869	1,125,421
1952	1,165,000	1,146,864	1,075,540	67,166	1,142,706
1953	1,170,000	1,083,982	1,057,288	30,394	1,087,682
1954	1,280,000	1,211,156	1,120,590	92,388	1,212,978
1955	1,409,000	1,552,294	1,373,638	176,543	1,550,181
1956	1,625,000	1,717,243	1,582,742	132,628	1,715,370

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for exports, such tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports; in 1956, the Department showed exports of 152,355 tons versus 132,628 tons reported by the mills.

Source: Newsprint Service Bureau.

Table 43. Newfoundland Newsprint Production

This table is included for reference purposes only. Throughout Section "D" Newfoundland statistics are included, unless otherwise noted, in the Canadian totals for all years.

Tons	Capacity	Production	Shipments to: U.S.A.	Shipments to: Overseas	Total Shipments
1913	77,200	52,000	.....	52,890	53,215
1914	77,200	55,000	.....	55,558	56,032
1915	77,200	60,000	.....	42,429	42,943
1916	77,200	54,000	.....	71,984	72,584
1917	77,200	36,000	90	18,344	19,080
1918	77,200	35,000	24,982	4,526	30,219
1919	77,200	46,000	14,995	29,271	45,091
1920	77,200	62,000	3,548	67,747	72,334
1921	77,200	44,000	219	42,260	43,116
1922	77,200	61,328	0	63,727	64,597
1923	77,200	63,906	0	61,898	62,758
1924	77,200	64,648	4,324	60,435	65,578
1925	108,000	96,588	24,447	66,850	92,124
1926	190,000	186,471	115,734	77,930	194,390
1927	241,000	202,852	87,706	100,779	189,255
1928	268,500	230,745	138,586	97,867	237,272
1929	287,450	255,500	156,705	100,409	257,964
1930	301,900	287,259	164,532	117,271	282,589
1931	301,943	294,983	170,252	121,707	292,812
1932	301,943	271,804	138,335	128,750	267,808
1933	301,943	270,001	130,155	166,568	297,304
1934	321,317	314,057	119,969	196,754	317,396
1935	348,952	332,144	113,503	200,764	314,881
1936	348,952	326,449	116,340	226,649	343,557
1937	327,590	350,142	135,371	241,177	377,195
1938	330,680	268,404	59,283	204,450	264,328
1939	339,680	305,278	87,334	175,557	263,511
1940	348,223	351,143	146,911	220,263	367,885
1941	361,860	344,800	217,233	128,993	346,968
1942	363,405	277,426	195,753	83,479	280,180
1943	363,405	236,207	131,031	131,833	263,892
1944	368,040	272,799	100,035	169,734	270,803
1945	371,130	332,693	121,831	194,415	317,489
1946	375,765	362,671	208,480	150,513	360,282
1947	393,125	373,375	212,160	169,464	383,283
1948	405,408	382,248	246,537	128,237	376,286
1949	461,076	444,196	324,680	101,176	427,468

Sources: Newsprint Association of Canada and Newsprint Service Bureau.

Table 44.

Principal Newsprint Producers Overseas

	FINLAND		NORWAY		SWEDEN		SCANDINAVIA		BRITAIN		
Tons	Production	Exports	Production	Exports	Production	Exports	Production	Exports	Tons	Production	Exports
1929	219,198	200,100	203,976	186,065	281,781	218,621	704,955	604,786	1929	637,000	107,672
1930	228,577	206,130	202,510	186,851	244,972	188,803	676,059	581,784	1930	607,992	88,878
1931	232,984	209,324	108,412	95,111	268,737	199,574	610,133	504,009	1931	719,040	66,340
1932	223,784	211,550	199,268	174,047	261,209	202,908	684,261	588,505	1932	789,992	94,028
1933	263,895	243,925	166,820	148,694	270,125	201,329	700,840	593,948	1933	830,032	88,882
1934	294,739	279,171	154,410	135,531	277,861	207,365	727,010	622,067	1934	940,016	66,406
1935	320,923	295,973	192,485	170,162	301,756	229,689	815,164	695,824	1935	970,032	78,884
1936	402,016	364,964	188,131	174,668	288,615	197,483	878,762	737,115	1936	1,003,968	86,423
1937	448,829	418,745	225,832	198,886	309,965	221,103	984,626	838,734	1937	1,032,976	63,497
1938	458,493	390,374	199,513	166,637	288,615	176,304	946,621	733,315	1938	953,999	63,036
1939	550,363	432,589	221,562	188,330	306,127	199,210	1,078,052	820,129	1939	848,002	41,731
1940	94,554	62,346	68,207	46,250	139,746	51,389	302,507	159,985	1940	332,640	7,939
1941	63,728	54,113	42,193	24,622	108,415	11,912	214,336	90,647	1941	168,000	248
1942	89,109	67,154	37,082	21,522	187,523	76,956	313,714	165,632	1942	156,464	78
1943	128,155	109,500	35,300	24,047	187,374	64,382	350,829	197,929	1943	144,892	296
1944	93,216	50,800	28,757	13,589	216,031	77,654	338,004	142,043	1944	169,179	688
1945	122,735	100,735	59,874	41,083	228,725	85,619	411,334	227,437	1945	181,037	3,702
1946	263,072	236,225	121,680	96,175	289,070	138,039	673,822	470,439	1946	330,176	17,208
1947	297,065	273,365	125,302	100,070	298,621	167,041	720,988	540,476	1947	282,240	3,233
1948	356,058	317,971	157,248	128,373	327,332	195,949	840,638	642,293	1948	335,630	22,213
1949	423,413	391,148	171,259	158,230	344,867	233,057	939,539	782,435	1949	529,135	67,758
1950	459,826	416,207	175,235	147,546	357,904	225,998	992,965	789,751	1950	609,280	114,271
1951	453,758	415,088	179,679	144,901	365,496	221,560	998,933	781,549	1951	590,100	106,685
1952	479,981	434,272	167,264	137,841	364,620	239,647	1,011,865	811,760	1952	601,290	82,494
1953	484,164	437,462	172,309	135,280	372,115	226,919	1,028,588	799,661	1953	675,242	139,305
1954	492,863	431,602	173,961	131,414	372,962	213,295	1,039,786	776,311	1954	685,800	143,015
1955	589,825	525,528	183,415	140,212	399,364	217,518	1,172,604	883,258	1955	694,158	155,229
1956	656,900	588,016	190,619	149,186	457,232	274,487	1,304,751	1,011,689	1956	719,958	152,446

Sources: Ticon; Scannews. Scandinavia covers total of Finland, Norway and Sweden.

Source: British Board of Trade.

Table 45. Sources of U.S. Newsprint Supply

Tons	Canada	U.S.A.	Europe	Total
1913	218,000	1,255,000	....	1,473,000
1914	275,000	1,269,000	3,000	1,547,000
1915	329,000	1,176,000	4,000	1,509,000
1916	438,000	1,251,000	1,000	1,690,000
1917	491,000	1,287,000	1,000	1,779,000
1918	602,000	1,150,000	0	1,752,000
1919	628,000	1,264,000	0	1,892,000
1920	679,306	1,465,739	50,561	2,195,606
1921	656,660	1,208,390	135,320	2,000,370
1922	896,311	1,421,924	132,957	2,451,192
1923	1,108,466	1,468,643	200,377	2,777,486
1924	1,200,803	1,464,265	156,430	2,821,498
1925	1,315,404	1,507,580	133,021	2,956,005
1926	1,750,749	1,664,960	99,926	3,515,635
1927	1,865,003	1,473,166	122,062	3,460,231
1928	2,040,920	1,406,182	116,246	3,563,348
1929	2,326,502	1,373,581	96,198	3,796,281
1930	2,145,471	1,272,168	134,180	3,551,819
1931	1,915,838	1,147,783	151,068	3,214,689
1932	1,647,216	1,000,124	144,921	2,792,261
1933	1,715,331	949,730	153,203	2,818,264
1934	2,113,767	962,318	147,060	3,223,145
1935	2,122,099	910,895	197,085	3,230,079
1936	2,550,925	911,488	242,352	3,704,765
1937	3,044,731	940,089	293,953	4,278,773
1938	1,940,303	816,295	243,065	2,999,663
1939	2,281,460	942,240	310,216	3,533,916
1940	2,741,363	998,378	33,850	3,773,591
1941	2,987,235	995,448	2,865	3,985,548
1942	3,006,592	932,931	1,527	3,941,050
1943	2,680,790	788,932	0	3,469,722
1944	2,529,693	708,815	0	3,238,508
1945	2,665,947	707,433	0	3,373,380
1946	3,563,124	753,631	13,480	4,330,235
1947	3,897,300	824,020	128,936	4,850,256
1948	4,127,970	857,540	267,434	5,252,944
1949	4,380,250	883,657	254,749	5,518,656
1950	4,748,228	1,002,125	171,033	5,921,386
1951	4,783,549	1,107,552	206,319	6,097,420
1952	4,835,065	1,075,450	182,708	6,093,313
1953	4,861,372	1,057,228	164,097	6,082,757
1954	4,875,031	1,120,590	128,224	6,123,845
1955	5,070,211	1,373,638	145,522	6,589,371
1956	5,229,748	1,582,742	311,453	7,123,943

Source: All figures for 1913-32 and supply from Europe thereafter are compiled from U.S. Department of Commerce reports; from 1933 to date supplies from Canada and U.S. are compiled from reports to NAC and NSB respectively of mill shipments. Trade Association and government figures are not strictly comparable because of time lag between shipments and arrival dates and because of minor differences of newsprint definition.

Table 46. U.S. Newsprint Consumption and Stocks

		Consumption			Consumers' Stocks*	
Tons	ANPA	† Percent	Total	Lbs. per Cap.	ANPA	Total
1913	.....	...	1,473,000	30.3	.....	.....
1914	.....	...	1,547,000	31.2	.....	.....
1915	.....	...	1,509,000	30.0	.....	.....
1916	.....	...	1,690,000	33.2	.....	.....
1917	.....	...	1,779,000	34.4	.....	.....
1918	.....	...	1,752,000	33.5	.....	.....
1919	.....	...	1,892,000	36.0	.....	.....
1920	.....	...	2,197,000	41.3	.....	.....
1921	1,818,617	89.0	2,043,390	37.7	196,741	269,025
1922	2,048,852	84.0	2,439,110	44.3	211,325	281,107
1923	1,819,141	65.5	2,777,315	49.6	209,996	281,278
1924	1,679,620	59.0	2,846,814	49.9	199,979	255,962
1925	1,808,229	60.0	3,013,715	52.0	163,614	198,252
1926	2,028,779	59.5	3,409,713	58.1	228,832	304,174
1927	2,707,045	79.0	3,426,639	57.6	264,885	337,766
1928	2,761,475	77.0	3,586,331	59.5	247,552	314,783
1929	2,949,878	78.5	3,757,806	61.7	278,548	353,258
1930	2,735,428	76.0	3,599,247	58.5	256,472	305,830
1931	2,625,869	81.0	3,241,814	52.3	236,153	278,705
1932	2,265,741	80.0	2,832,176	45.4	196,443	238,790
1933	2,154,106	80.0	2,692,632	42.9	237,403	364,422
1934	2,485,824	80.0	3,107,280	49.2	323,453	480,287
1935	2,675,744	80.0	3,344,680	52.6	294,494	365,686
1936	2,953,557	80.0	3,691,946	57.7	305,385	378,505
1937	3,059,795	80.0	3,824,743	59.4	613,514	832,535
1938	2,737,815	80.0	3,422,269	52.7	315,027	409,929
1939	2,730,217	77.5	3,520,372	53.8	328,424	423,473
1940	2,855,952	76.5	3,731,331	56.5	356,472	465,733
1941	2,946,660	75.0	3,929,773	58.9	385,296	521,508
1942	2,834,940	74.3	3,815,532	56.6	479,349	645,492
1943	2,720,257	75.0	3,627,009	53.1	366,702	488,205
1944	2,351,096	72.5	3,242,891	46.9	342,280	483,822
1945	2,455,116	70.5	3,481,302	49.8	266,344	375,900
1946	3,136,276	73.0	4,296,268	60.8	292,806	409,867
1947	3,564,678	75.0	4,752,904	66.0	377,033	507,219
1948	4,009,829	78.0	5,140,806	70.1	458,145	619,357
1949	4,257,489	77.0	5,529,206	74.1	445,863	608,807
1950	4,541,760	76.5	5,936,941	78.3	424,960	593,252
1951	4,511,023	75.5	5,974,865	77.4	522,196	715,807
1952	4,551,238	76.0	5,988,471	76.3	611,909	820,649
1953	4,668,602	76.0	6,142,986	76.9	551,769	760,510
1954	4,683,698	76.0	6,162,761	75.9	516,363	721,594
1955	5,044,993	76.0	6,638,149	80.3	458,352	672,816
1956	5,208,761	75.5	6,899,020	82.1	635,756	897,739

* End of Each Year.

† U.S. total consumption is based on consumption reported by the ANPA group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total consumption is obtained by extending ANPA percentage to 100. Total consumers' stocks are computed from stock plus supplies received less total consumption in each year.

Source: Newsprint Association of Canada.

Table 47.

Consumption by Larger Newspapers

1955-56 figures not published

	Tons	
CANADA	1953	1954
Hamilton Spectator	8,700	10,000
London Free Press	7,300	8,275
Montreal Star	18,400	18,000
Ottawa Journal	4,600	5,500
Toronto Daily Star & Star Weekly	70,000	73,000
Toronto Globe & Mail	18,000	....
Toronto Evening Telegram	25,000	27,000
Vancouver Province	13,000	13,700
Winnipeg Free Press	14,000	14,000
UNITED STATES		
Boston Post	20,000	22,000
Buffalo News	34,000	34,000
Chicago News	49,463	49,850
Chicago Sun-Times	55,134	50,000
Chicago Tribune	206,000	192,000
Cleveland Plain Dealer	60,000	74,365
Des Moines Register & Tribune	37,000	36,000
Detroit Free Press	40,000	47,000
Detroit News	78,000	80,000
Houston Chronicle	30,000	30,000
Los Angeles Times	130,000	131,000
Louisville Courier-Journal & Times	51,512	45,342
Miami Herald	39,500	45,000
Milwaukee Journal	75,500	75,000
New York News	255,000	245,000
Toledo Blade & Times	29,000	29,000
Wall Street Journal	5,000	5,100
Washington Star	41,000	40,000

Source: Editor & Publisher Annual Mechanical Tabulation.

Table 48.

North American Newsprint Stocks*

	Manufacturers		Consumers	
Tons	Canada	United States	United States	TOTAL
1921	72,339	23,934	269,025	365,298
1922	54,272	19,208	281,107	354,587
1923	70,944	23,669	281,278	375,891
1924	72,783	23,757	255,962	352,502
1925	104,184	16,238	198,252	318,674
1926	92,643	12,030	304,174	408,847
1927	102,441	20,877	337,766	461,084
1928	110,368	34,469	314,783	459,620
1929	118,193	19,023	353,258	490,474
1930	160,128	32,061	305,830	498,019
1931	188,727	32,709	278,705	500,141
1932	195,631	21,783	238,790	456,204
1933	154,279	19,237	364,422	537,938
1934	152,235	14,125	480,287	646,647
1935	185,489	9,281	365,686	560,456
1936	129,443	14,013	378,505	521,961
1937	95,521	15,105	832,535	943,161
1938	208,181	18,583	409,929	636,693
1939	258,012	12,952	423,473	694,437
1940	224,139	13,455	465,733	703,327
1941	193,171	7,586	521,508	722,265
1942	158,832	9,601	645,492	813,925
1943	104,558	10,992	488,205	603,755
1944	97,728	7,357	483,822	588,907
1945	136,721	6,340	375,900	518,961
1946	146,524	15,218	409,867	571,609
1947	93,405	8,301	507,219	608,925
1948	109,195	8,946	619,357	737,498
1949	121,190	10,814	608,807	740,811
1950	89,142	8,241	593,252	690,635
1951	101,910	7,568	715,807	825,285
1952	122,512	11,726	820,649	954,887
1953	111,244	8,026	760,510	879,780
1954	124,990	6,204	721,594	852,788
1955	80,080	8,317	672,816	761,213
1956	100,073	10,190	897,739	1,008,002

* End of each year.

Source: Newsprint Association of Canada and Newsprint Service Bureau.

Table 49.

U.S. Newspaper Circulation

Million copies; as at Sept. 30 of each year

Year	Morning	Evening	Total Daily	Sunday
1920	...	...	27.8	17.1
1921	...	...	28.4	19.0
1922	...	...	29.6	19.7
1923	...	...	31.4	21.5
1924	...	...	33.0	22.2
1925	...	...	33.7	23.4
1926	...	...	36.0	24.4
1927	...	...	38.0	25.5
1928	...	...	38.0	25.8
1929	...	...	39.4	26.9
1930	...	...	39.6	26.4
1931	...	...	38.8	25.7
1932	13.7	22.7	36.4	24.9
1933	13.2	22.0	35.2	24.0
1934	13.9	22.8	36.7	26.5
1935	14.4	23.7	38.2	28.1
1936	15.3	25.0	40.3	30.0
1937	15.9	25.5	41.4	31.0
1938	15.1	24.5	39.6	30.5
1939	15.5	24.2	39.7	31.5
1940	16.1	25.0	41.1	32.4
1941	16.5	25.6	42.1	33.4
1942	17.1	26.3	43.4	35.3
1943	17.1	27.3	44.4	37.3
1944	18.1	27.9	46.0	37.9
1945	19.2	29.1	48.4	39.9
1946	20.5	30.4	50.9	43.7
1947	20.8	30.9	51.7	45.1
1948	21.1	31.2	52.3	46.3
1949	21.0	31.8	52.8	46.4
1950	21.3	32.5	53.8	46.6
1951	21.2	32.8	54.0	46.3
1952	21.2	32.8	54.0	46.2
1953	21.4	33.1	54.5	45.9
1954	21.7	33.4	55.1	46.2
1955	22.2	34.0	56.2	46.4
1956	22.5	34.6	57.1	47.2

Source: Editor & Publisher International Year Book.

Table 50.

U.S. Newspaper Milline Rates

Rate per agate line of advertising per million of circulation as at December 31st of each year

Year	Morning	Evening	Sunday
1923	$2.70	$3.33	$2.27
1924	2.71	3.32	2.29
1925	2.66	3.39	2.32
1926	2.57	3.35	2.33
1927	2.52	3.29	2.29
1928	2.52	3.40	2.30
1929	2.55	3.38	2.33
1930	2.52	3.45	2.36
1931	2.57	3.54	2.39
1932	2.57	3.72	2.46
1933	2.66	3.87	2.51
1934	2.58	3.75	2.26
1935	2.58	3.71	2.12
1936	2.58	3.72	2.16
1937	2.50	3.65	2.15
1938	2.57	3.73	2.13
1939	2.45	3.72	2.15
1940	2.37	3.59	2.11
1941	2.31	3.55	2.07
1942	2.23	3.48	1.99
1943	2.25	3.45	1.89
1944	2.29	3.16	2.01
1945	2.24	3.24	2.02
1946	2.28	3.38	2.02
1947	2.39	3.59	2.13
1948	2.49	3.68	2.22
1949	2.56	3.66	2.27
1950	2.65	3.83	2.41
1951	2.80	4.06	2.54
1952	2.97	4.23	2.68
1953	3.01	4.29	2.75
1954	3.01	4.34	2.76
1955	3.12	4.46	2.91
1956	3.19	4.65	2.90

Source: Editor & Publisher International Year Book.

Table 51. Indexes of U.S. Advertising

1947-9 = 100; Television 1950-2 = 100

Year	Newspapers	Magazines	Radio	Television	Business Papers	Outdoor	*Combined
1935	44	27	21	..	21	24	35
1936	49	32	22	..	25	30	40
1937	51	39	30	..	29	34	43
1938	46	34	31	..	25	33	40
1939	46	36	34	..	28	34	41
1940	48	40	39	..	31	35	44
1941	49	43	45	..	36	41	47
1942	47	40	48	..	40	34	45
1943	53	55	57	..	58	33	52
1944	52	65	72	..	72	43	57
1945	54	73	78	..	84	56	60
1946	68	85	83	..	87	67	70
1947	86	99	93	..	95	95	89
1948	102	103	103	..	103	103	102
1949	112	99	105	18	102	102	109
1950	121	103	111	54	103	111	120
1951	132	115	111	104	120	116	135
1952	144	123	114	142	150	126	150
1953	154	134	112	190	162	138	164
1954	157	134	103	252	167	146	171
1955	180	146	99	321	183	150	193
1956 est.	193	157	103	393	197	156	209

Source: Printers' Ink; dollar expenditures.
*Including Farm Publications, Direct Mail and Miscellaneous.

Table 53. U.S. Advertising Expenditures (All Media) and National Income

Millions of Dollars

Year	Advertising Expenditure	National Income	Percent Advertising to Income
1935	1,690.0	57,057	2.96
1936	1,902.4	64,911	2.93
1937	2,071.7	73,618	2.81
1938	1,904.0	67,581	2.82
1939	1,980.4	72,753	2.72
1940	2,087.6	81,634	2.56
1941	2,235.7	104,710	2.14
1942	2,156.1	137,694	1.57
1943	2,496.4	170,310	1.47
1944	2,723.6	182,639	1.49
1945	2,874.5	181,248	1.59
1946	3,364.2	179,577	1.87
1947	4,259.7	197,168	2.16
1948	4,863.6	221,641	2.19
1949	5,202.2	216,193	2.41
1950	5,710.0	239,956	2.38
1951	6,426.1	277,041	2.32
1952	7,156.2	290,177	2.47
1953	7,755.3	302,129	2.87
1954	8,164.1	298,335	2.74
1955	9,194.4	324,048	2.84
1956 est.	9,982.0	342,400	2.92

Source: Printers' Ink; U.S. Department of Commerce.

Table 55. U.S. Newspaper, Magazine, Radio, and TV Advertising

	Newspapers Million Lines	Magazines Thousand Lines	Radio Thousand Dollars	National TV Thousand Dollars
1928	1802	36,384	10,248	.....
1929	1897	40,608	18,732	.....
1930	1654	35,808	26,820	.....
1931	1465	28,908	35,784	.....
1932	1165	21,162	39,107	.....
1933	1065	18,666	31,516	.....
1934	1179	24,325	42,648	.....
1935	1247	25,380	49,284	.....
1936	1380	28,534	59,356	.....
1937	1410	32,049	69,249	.....
1938	1225	25,439	71,728	.....
1939	1244	25,616	83,115	.....
1940	1269	26,851	96,468	.....
1941	1313	27,667	106,141	.....
1942	1242	25,729	115,405	.....
1943	1396	33,116	152,644	.....
1944	1361	42,297	190,665	.....
1945	1392	49,035	190,746	.....
1946	1730	54,755	193,008	.....
1947	2009	50,794	190,930	.....
1948	2263	47,844	198,993	.....
1949	2302	43,817	187,800	12,294
1950	2440	45,845	183,520	40,613
1951	2478	48,076	174,719	127,990
1952	2505	48,331	163,454	180,795
1953	2611	50,517	160,535	227,611
1954	2581	48,770	137,641	320,154
1955	2843	52,350	n.a.	406,899
1956	2911	55,115	n.a.	488,168

n.a.: Not available.
Sources: Newspapers: Media Records 52 Cities. Magazines: Printers' Ink. Radio and TV: Publishers Information Bureau.

Table 52. U.S. Newspaper Pages Printed

Annual Averages

Year	Dailies	Sundays	Year	Dailies	Sundays
1920	23	79	1940	27	86
1921	23	80	1941	27	88
1922	25	89	1942	26	82
1923	27	97	1943	26	78
1924	28	103	1944	23	68
1925	29	109			
1926	30	111	1945	22	70
1927	30	107	1946	27	84
1928	30	104	1947	29	94
1929	32	104	1948	32	102
1930	29	91	1949	34	107
1931	27	82			
1932	24	72	1950	36	112
1933	24	70	1951	36	113
1934	26	78	1952	36	116
1935	26	82	1953	37	121
1936	28	85	1954	36	122
1937	28	87			
1938	26	81	1955	40	132
1939	27	82	1956	41	134

Source: Newsprint Service Bureau Bulletins.

Table 54. U.S. Newspaper Advertising and Total Advertising Expenditures

Millions of Dollars

Year	Newspaper Advertising	Total Advertising	Newspaper Percent of Total
1935	762.1	1690.0	45.1
1936	843.5	1902.4	44.3
1937	872.6	2071.7	42.1
1938	782.4	1904.0	41.1
1939	793.0	1980.4	40.0
1940	815.4	2087.6	39.1
1941	844.4	2235.7	37.8
1942	797.5	2156.1	37.0
1943	899.9	2496.4	36.0
1944	888.0	2723.6	32.6
1945	921.4	2874.5	32.1
1946	1158.3	3364.2	34.4
1947	1475.0	4259.7	34.6
1948	1749.6	4863.6	36.0
1949	1905.0	5202.2	36.6
1950	2075.6	5710.0	36.3
1951	2257.7	6426.1	35.1
1952	2472.8	7156.2	34.6
1953	2644.8	7755.3	34.1
1954	2695.3	8164.1	33.0
1955	3087.8	9194.4	33.6
1956 est.	3305.0	9982.0	33.0

Source: Printers' Ink.

Table 56. Value of Canadian Newsprint and Total Pulp and Paper Production

Figures for 1928-1948 do not include Newfoundland
Millions of Dollars

Year	Newsprint Production	Total Production	Newsprint Percent of Total
1928	144.1	233.1	61.8
1929	150.8	244.0	61.8
1930	136.2	216.0	63.1
1931	111.4	174.7	63.8
1932	85.5	135.6	63.1
1933	67.0	123.4	54.3
1934	86.8	152.6	56.9
1935	91.8	159.3	57.6
1936	105.2	183.6	57.3
1937	126.4	226.2	55.9
1938	107.1	183.9	58.2
1939	120.9	208.2	58.1
1940	158.4	298.0	53.2
1941	158.9	334.7	47.5
1942	147.1	336.7	43.7
1943	153.0	344.4	44.4
1944	165.7	369.8	44.8
1945	189.0	398.8	47.4
1946	280.8	527.8	53.2
1947	355.5	707.0	50.3
1948	402.1	825.9	48.7
1949	468.0	836.1	56.0
1950	507.0	954.1	53.1
1951	564.4	1,237.9	45.6
1952	600.5	1,157.9	51.9
1953	633.4	1,179.7	53.7
1954	657.5	1,241.6	53.0
1955	688.3	1,326.9	51.9

Source: Dominion Bureau of Statistics.

Table 57.

U.S. Prices and Price Indexes

	Canadian Newsprint U.S. Dollars	Newsprint Index 1926 = 100	U.S. Dollars in Canada
1914	$ 43.60	62.3	.9992
1915	41.78	59.7	1.0040
1916	51.78	74.0	1.0024
1917	63.78	91.1	1.0019
1918	64.30	91.9	1.0166
1919	79.40	113.4	1.0046
1920	112.60	160.9	1.1201
1921	111.35	159.1	1.1168
1922	76.80	109.7	1.0154
1923	81.80	116.9	1.0200
1924	79.30	113.3	1.0129
1925	76.80	109.7	1.0004
1926	70.00	100.0	1.0001
1927	70.00	100.0	1.0003
1928	67.50	96.4	1.0009
1929	62.00	88.6	1.0076
1930	62.00	88.6	1.0016
1931	57.00	81.4	1.0381
1932	48.33	69.0	1.1352
1933	41.25	58.9	1.0874
1934	40.00	57.1	.9900
1935	40.00	57.1	1.0051
1936	41.00	58.6	1.0006
1937	42.50	60.7	.9999
1938	50.00	71.4	1.0056
1939	50.00	71.4	1.0370
1940	50.00	71.4	1.1050
1941	50.00	71.4	1.1050
1942	50.00	71.4	1.1050
1943	54.66	78.1	1.1050
1944	58.00	82.9	1.1050
1945	60.25	86.1	1.1045
1946	72.25	103.2	1.0575
1947	88.50	126.4	1.0025
1948	97.67	139.5	1.0025
1949	100.00	142.9	1.0308
1950	101.00	144.3	1.0892
1951	111.00	158.6	1.0528
1952	121.00	172.9	.9789
1953	126.00	180.0	.9834
1954	126.00	180.0	.9732
1955	126.00	180.0	.9863
1956	130.00	185.7	.9841

Source: Newsprint Prices: Annual Averages, Delivered at New York.
Exchange Rates: Federal Reserve System; Bank of Canada.

Table 58.

Newsprint and Total Canadian Exports to United States

Figures for 1928-1948 do not include Newfoundland

Millions of Dollars

Year	Newsprint* Exports to U.S.	Total Exports to U.S.	Percent Newsprint of Total
1910	1.2	104.2	1.2
1912	2.0	102.0	2.0
1914	9.8	163.4	6.0
1916	15.8	201.1	7.9
1918	30.7	417.2	7.4
1919	36.0	455.0	7.9
1920	46.8	464.0	10.0
1921	68.8	566.7	12.1
1922	59.9	310.7	19.3
1923	67.7	370.8	18.3
1924	87.3	443.2	19.7
1925	89.1	420.4	21.2
1926	106.8	465.2	22.9
1927	114.0	474.6	24.0
1928	123.5	492.5	25.1
1929	129.0	522.6	24.7
1930	115.3	395.7	29.1
1931	94.4	257.1	36.7
1932	72.0	162.6	44.3
1933	58.3	187.9	31.0
1934	68.1	301.2	22.6
1935	71.0	358.6	19.8
1936	83.5	406.7	20.5
1937	105.9	470.2	22.5
1938	85.6	270.5	31.6
1939	97.8	380.4	25.7
1940	120.6	443.0	27.2
1941	130.9	599.7	21.8
1942	132.4	885.5	15.0
1943	131.4	1,149.2	11.4
1944	135.2	1,301.3	10.4
1945	148.4	1,197.0	12.4
1946	225.6	887.9	25.4
1947	293.5	1,034.2	28.4
1948	342.8	1,501.0	22.8
1949	396.4	1,510.1	26.2
1950	465.3	2,021.0	23.0
1951	500.5	2,297.7	21.8
1952	534.4	2,307.0	23.2
1953	564.5	2,418.9	23.3
1954	558.6	2,317.2	24.1
1955	578.3	2,559.3	22.6
1956	615.9	2,818.7	21.9

* Excludes mutilated newsprint.
For the period 1910 to 1925 inclusive figures relate to fiscal years.
Source: Dominion Bureau of Statistics.

"E" — OTHER PAPER AND PAPERBOARD

All figures after 1948 include Newfoundland

Table 59.

Production — Tonnage and Value

All grades except Newsprint — 1920-1943

	Paperboard		Wrapping		Book and Writing		Tissue		All Other	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1920	158,041	$12,904,662	77,292	$12,161,303	73,196	$21,868,807	3,607	$1,155,324	27,119	$3,067,400
1921	89,120	6,225,948	52,898	6,634,211	53,530	12,550,520	3,879	1,232,398	14,406	1,126,260
1922	113,200	7,000,081	81,793	8,219,841	64,808	12,560,504	5,758	1,154,772	19,892	1,353,553
1923	130,582	8,480,233	84,912	7,666,174	76,789	13,582,135	4,980	991,880	40,499	3,250,608
1924	135,252	8,228,760	89,441	8,027,918	67,934	12,605,623	5,716	1,024,967	32,317	3,155,326
1925	144,646	8,378,621	91,417	8,130,102	74,724	13,145,407	7,200	1,385,089	30,195	2,852,815
1926	155,469	8,825,804	97,057	8,552,400	80,403	14,765,725	7,401	1,468,004	36,605	3,505,348
1927	161,497	8,985,788	102,707	9,607,828	75,072	12,916,469	8,849	1,646,487	37,736	2,787,439
1928	193,061	10,656,200	111,667	10,424,217	79,138	14,008,406	10,896	2,047,206	40,044	3,022,744
1929	250,061	13,539,645	91,374	9,725,876	73,502	13,636,562	9,796	1,845,395	47,085	3,441,617
1930	233,217	12,193,829	78,320	7,880,224	69,468	12,261,659	11,245	2,035,325	36,585	2,752,954
1931	202,854	10,225,732	77,194	7,479,993	59,580	10,154,171	11,560	1,990,925	32,985	2,359,431
1932	209,938	9,621,041	69,018	6,289,293	56,781	8,687,895	12,187	1,961,468	23,638	1,773,574
1933	232,190	10,598,439	67,780	6,441,695	60,683	8,927,408	12,331	2,168,497	24,471	1,594,335
1934	280,724	13,351,475	79,779	7,740,823	64,991	9,681,536	10,258	1,654,534	28,791	1,652,397
1935	314,849	15,051,893	82,517	7,956,783	70,350	10,440,789	18,107	2,031,221	29,629	1,835,499
1936	363,778	17,531,451	95,916	8,761,356	74,940	10,866,346	18,661	2,085,489	28,029	1,895,491
1937	422,710	21,719,730	108,734	10,237,823	84,168	12,620,507	23,747	2,734,307	32,116	2,148,753
1938	356,891	19,288,172	90,879	9,069,298	73,834	11,098,901	25,922	2,961,482	32,919	2,181,010
1939	413,687	21,359,828	109,907	10,712,394	90,135	12,773,781	29,706	3,060,456	30,470	2,011,020
1940	500,094	31,078,759	139,716	14,457,299	102,696	15,518,667	34,054	3,709,952	39,053	2,624,821
1941	649,840	40,214,658	162,581	16,744,806	117,444	18,476,397	35,725	4,199,139	39,453	2,889,982
1942	609,175	38,641,867	165,991	17,221,769	121,419	19,181,665	38,322	5,036,489	39,680	3,113,613
1943	568,101	37,528,257	145,545	15,614,453	122,174	19,047,039	43,247	5,637,142	40,835	3,246,393

NOTE: A new classification, adopted in 1944 by the Dominion Bureau of Statistics, differs from the one given above. However, for purposes of general comparison with the years 1920-43, some of the figures given in Tables 60 and 61 may be utilized. "Paperboard", "Building Boards", and "Wet Machine Boards" would approximate the "Paperboard" group given above, while "Special Industrial Papers" and "Building Papers" would approximate the "All Other" group. The "Book and Writing", and "Wrapping" groups are virtually identical in both classifications, while "Tissue and Sanitary" is nearly comparable to the "Tissue" classification given above.

Source: Dominion Bureau of Statistics.

Table 60. Production of Paperboard — Tonnage and Value, 1944-1956

	Container Board			Boxboard			
Tons	Liners	Container Chipboard	Corrugating Board	For Folding Cartons	For Set-up Boxes	Other	Total
1944	139,912	6,669	80,493	114,005	52,893	144,082	538,054
1945	137,059	7,096	78,756	125,691	45,605	146,549	540,756
1946	167,786	6,480	90,347	138,370	46,556	166,500	616,039
1947	175,221	6,047	102,655	147,700	46,184	177,854	655,661
1948	184,524	6,858	128,697	154,745	49,225	183,371	707,420
1949	184,694	7,708	129,121	143,215	45,525	174,582	684,845
1950	214,234	6,533	144,892	157,690	47,625	199,761	770,735
1951	223,226	5,813	152,801	172,220	49,376	217,025	820,461
1952	219,113	2,344	132,068	155,564	43,281	190,898	743,268
1953	236,917	4,130	145,068	169,428	47,731	201,174	804,448
1954	243,764	3,465	131,678	174,945	45,552	199,115	798,519
1955	258,914	8,901	148,929	185,877	47,901	210,849	861,371
1956	333,737e	7,470e	161,498e	205,750e	45,828e	235,026e	989,309e
Value							
1944	$ 9,169,795	$284,431	$ 5,106,671	$ 9,357,929	$3,189,647	$ 7,389,233	$34,497,706
1945	9,102,314	332,637	4,997,024	10,296,273	2,708,330	7,673,664	35,110,242
1946	12,465,659	287,541	6,285,008	12,338,532	2,898,488	9,357,733	43,632,961
1947	15,971,032	317,514	8,959,472	15,850,814	3,654,451	12,084,914	56,838,197
1948	18,720,922	500,626	12,378,382	18,419,579	4,401,271	14,361,233	68,782,013
1949	19,535,008	636,746	12,979,462	17,361,974	4,066,408	13,691,804	68,271,402
1950	23,159,467	521,563	15,273,658	20,085,066	4,502,702	16,840,063	80,382,519
1951	26,965,789	623,634	17,926,975	26,380,718	5,546,965	19,865,271	97,309,352
1952	26,808,593	256,336	15,224,621	24,754,164	4,954,302	19,047,337	91,045,353
1953	29,678,077	377,602	16,909,644	26,730,967	5,534,974	19,330,051	98,561,315
1954	31,811,172	306,358	15,984,824	29,031,203	5,450,701	19,489,843	102,074,101
1955	33,877,272	935,514	18,725,717	30,910,250	5,732,654	21,530,335	111,711,742
1956	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

NOTE: See note Table 59.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 61. Production — Other Papers and Boards — Tonnage and Value, 1944-1956

Tons	Wrapping	Book and Writing (a)	Tissue and Sanitary	Building Papers	Building Boards (b)	Wet Machine Boards (c)	Special Industrial Papers
1944	156,721	155,498	46,532	50,879	50,294	—	6,615
1945	162,175	162,198	50,418	58,199	54,261	—	7,536
1946	175,369	189,318	56,717	71,081	67,402	—	9,034
1947	188,742	210,762	67,506	79,858	88,612	—	9,677
1948	207,128	231,608	69,686	88,454	109,912	—	9,102
1949	195,585	199,317	68,340	83,471	105,061	7,117	9,027
1950	222,840	214,097	76,742	92,414	97,223	8,936	10,060
1951	257,332	253,081	89,583	91,527	131,295	8,737	12,140
1952	222,529	224,683	79,974	81,666	122,986	8,328	11,336
1953	238,111	246,513	86,523	90,906	136,748	7,759	10,047
1954	250,408	269,353	94,643	85,390	134,365	7,312	8,722
1955	263,915	301,352	106,752	96,494	157,718	8,352	7,940
1956	286,902e	346,137e	115,058e	100,732e	174,721e	8,600e	8,502e
Value							
1944	$16,699,663	$23,700,310	$ 6,391,770	$3,017,412	$ 4,593,961	—	$ 989,854
1945	17,558,552	24,468,409	7,065,732	3,459,384	4,981,280	—	1,170,279
1946	20,797,070	29,995,156	9,015,540	4,684,693	6,564,864	—	1,456,496
1947	26,009,996	39,727,187	12,179,656	5,703,911	9,276,977	—	1,824,684
1948	31,036,805	45,178,968	13,927,917	7,368,976	12,070,987	—	1,881,458
1949	30,033,478	40,598,820	13,950,007	6,320,791	11,338,155	$1,022,518	1,948,324
1950	37,776,291	47,356,410	15,885,792	7,228,146	10,790,198	1,358,994	2,407,269
1951	49,664,005	63,790,259	21,574,730	7,889,667	14,528,293	1,632,305	3,279,845
1952	45,356,720	57,463,621	18,620,728	6,871,543	13,522,958	1,498,311	3,209,914
1953	49,028,911	61,451,545	19,198,013	6,914,762	14,947,362	1,469,600	2,878,946
1954	51,341,374	68,613,807	21,998,699	6,440,439	13,665,290	1,433,300	2,536,289
1955	53,998,859	74,904,349	23,825,157	7,716,375	17,016,550	1,637,459	2,290,387
1956	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

NOTE: See note Table 59.

(a) Groundwood Printing and Specialty Papers (containing more than 50% groundwood); Book Paper (including printing papers with 50% or less groundwood); Fine Papers; and Miscellaneous Fine Papers.

(b) Reported in Pulp and Paper industry only. Wood-pulp board used in paper-converting plants to produce laminated building boards is reported by pulp and paper mills as "Other Boxboard".

(c) Prior to 1949 some producers of wet machine board were classed in another industry, and small quantities reported in the Pulp and Paper industry were added with "Other Boxboards" until 1943 and with "Special Industrial Papers" since 1944.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 62.

Exports of Paper (Except Newsprint) — Volume in Tons

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and in Tables 63 and 64.

Moreover, because they are compiled on a somewhat different basis, the two tables which follow are not comparable to the production figures in Tables 60 and 61.

Also, some of the exports go through a converting plant before shipment. Thus, many of the exports have a value enhanced by the conversion or packaging process, whereas the production figures show the valuation at the basic rate.

Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in the succeeding table under the heading "Paper Products".

	Wrapping			Book	Bond & Writing	Paperboard, n.o.p.	Roofing & Building Paper	Bldg. & Insul'g Board	Waste Paper, n.o.p.	Pulpboard for Wallboards	Tissue Paper	Toilet Paper	TOTALS
	Coated	Kraft, n.o.p.	n.o.p.										
1946	2,259	14,270	5,924	24,676	6,175	59,799	4,146	14,294	10,421	27,610	328	1,878	171,780
1947	2,659	12,960	5,674	37,291	9,655	62,444	11,018	20,209	10,451	31,636	1,682	3,339	209,018
1948	3,095	11,215	7,283	36,882	5,036	90,443	5,341	15,852	15,185	29,164	794	5,716	226,006
1949	1,469	8,530	3,423	13,438	3,347	56,557	1,785	11,968	17,356	22,991	52	3,562	144,478
1950	292	7,535	1,903	17,261	2,149	49,453	2,420	7,021	28,971	25,553	60	2,551	145,169
1951	1,266	12,366	3,019	27,438	7,347	69,259	6,662	21,738	27,081	23,068	418	3,487	203,149
1952	944	10,622	2,369	28,772	10,130	51,605	1,755	19,328	21,693	20,933	924	2,699	171,774
1953	149	10,227	788	28,401	7,077	34,104	3,811	18,752	30,890	17,812	1,279	759	154,049
1954	43	10,788	2,874	26,739	8,904	25,571	1,534	17,584	24,568	15,998	1,035	2,009	137,647
1955	119	14,218	3,940	33,195	8,441	40,442	722	47,460	42,356	14,307	1,031	4,109	210,340
1956	49	13,457	1,805	38,239	6,392	67,956	445	38,566	36,072	11,087	472	3,725	218,265

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 63.

Exports of Paper (Except Newsprint) — Value

(See note accompanying Table 62)

	Wrapping			Book	Bond & Writing	Paperboard, n.o.p.	Roofing & Building Paper	Bldg. & Insul'g Board	Waste Paper, n.o.p.	Pulpboard for Wallboards	Tissue Paper	Toilet Paper	TOTALS
	Coated	Kraft, n.o.p.	n.o.p.										
1946	$428,117	$1,720,167	$ 941,112	$3,580,946	$1,410,794	$5,622,884	$330,205	$1,234,205	$ 264,338	$1,562,941	$ 87,666	$ 308,192	$17,491,567
1947	621,087	1,853,880	920,379	6,068,943	2,549,180	6,940,775	841,160	1,878,294	287,614	2,110,674	409,345	710,109	25,191,440
1948	719,362	1,793,314	1,097,622	5,840,550	1,485,841	9,887,003	508,582	1,437,700	569,879	2,194,904	207,298	1,472,949	27,215,004
1949	361,797	1,393,184	555,329	2,165,837	923,088	5,907,085	108,995	1,258,749	518,798	1,798,317	15,834	723,387	15,730,400
1950	78,637	1,159,631	276,891	2,755,746	534,062	5,231,195	153,504	689,100	1,396,735	2,035,135	17,081	447,591	14,775,308
1951	485,843	2,665,974	577,155	5,283,533	2,567,668	9,410,511	577,052	2,327,497	2,154,913	2,324,008	150,996	804,966	29,330,116
1952	308,135	2,232,134	636,867	5,343,040	3,770,853	6,990,766	152,225	2,096,727	936,118	2,165,043	259,605	609,977	25,501,490
1953	56,641	1,670,077	149,558	4,872,808	1,719,073	3,426,320	247,104	1,764,374	997,737	1,827,255	294,006	159,959	17,183,912
1954	22,942	1,842,567	468,267	4,540,362	2,287,799	3,113,557	100,285	1,476,704	929,105	1,640,490	279,768	372,742	17,074,588
1955	72,095	2,479,073	655,097	5,917,168	2,350,075	4,971,027	50,655	4,276,996	1,716,952	1,477,864	285,551	763,713	25,019,266
1956	26,945	2,394,180	298,646	7,137,201	1,998,566	9,058,868	41,436	3,737,146	1,569,451	1,224,360	136,071	803,332	28,426,202

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 64.

Exports of Paper Products — Value

(See note accompanying Table 62)

	Bags, Boxes & Cartons	Hanging or Wall	Hanging, not Printed	Writing Paper, n.o.p.	Other Paper	TOTAL	TOTAL EXPORTS OF PAPER & PAPER PRODUCTS
1946	$ 819,430	$ 687,149	$ 70,080	$378,821	$1,285,535	$3,241,015	$20,732,582
1947	1,108,720	769,625	47,429	542,741	1,521,174	3,989,689	29,181,129
1948	1,846,385	595,496	15,999	225,198	1,199,436	3,882,514	31,097,518
1949	778,364	723,927	.....	90,858	494,096	2,087,245	17,817,645
1950	855,722	1,014,588	3,834	72,995	713,141	2,660,280	17,435,588
1951	1,834,501	1,081,319	11,971	193,041	1,158,686	4,279,518	33,609,634
1952	973,982	1,005,842	48,456	195,922	668,650	2,892,852	28,394,342
1953	552,139	730,895	170,535	90,261	538,557	2,082,387	19,266,299
1954	419,497	865,731	287,085	90,557	510,596	2,173,466	19,248,054
1955	374,902	553,949	390,492	85,661	794,139	2,199,143	27,218,409
1956	484,525	943,495	748,827	66,691	970,676	3,214,214	31,640,416

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

"F" — NATIONAL SIGNIFICANCE

All figures after 1948 include Newfoundland. For Newfoundland data prior to 1948 see Table 68.

Table 65.
Production and Exports of all Paper and Board

	Production		Exports	
	Tons	Value	Tons (a)	Value
1920	1,214,951	$132,022,767	780,932	$ 86,744,010
1921	1,018,947	106,553,935	733,549	75,510,945
1922	1,366,815	106,260,078	994,848	74,825,893
1923	1,589,303	127,184,370	1,178,743	93,770,957
1924	1,718,741	133,319,497	1,263,342	99,248,497
1925	1,884,705	140,160,675	1,442,296	106,624,046
1926	2,266,143	158,182,227	1,770,386	121,414,513
1927	2,468,691	168,230,740	1,918,866	129,637,687
1928	2,849,199	184,305,405	2,252,757	147,156,792
1929	3,197,149	192,989,252	2,563,859	154,919,122
1930	2,926,787	173,305,874	2,372,640	138,530,243
1931	2,611,225	143,629,889	2,042,151	111,114,042
1932	2,290,767	113,873,123	1,805,130	86,323,539
1933	2,419,420	96,689,875	1,871,191	72,396,132
1934	3,069,516	120,892,225	2,454,341	87,633,721
1935	3,280,896	125,752,650	2,617,579	94,041,591
1936	3,806,710	146,354,666	3,061,174	110,861,428
1937	4,345,361	175,885,423	3,532,269	136,164,168
1938	3,249,358	151,650,065	2,545,456	112,872,776
1939	3,600,502	170,776,062	2,795,876	124,127,164
1940	4,319,414	225,836,809	3,489,946	170,879,526
1941	4,524,776	241,450,292	3,587,181	176,184,025
1942	4,231,767	230,269,512	3,241,941	156,938,084
1943	3,966,344	234,036,152	2,983,882	160,825,462
1944	4,044,376	255,545,841	3,012,975	177,290,282
1945	4,359,576	282,837,614	3,285,611	203,011,992
1946	5,347,118	396,956,390	4,045,795	287,437,805
1947	5,775,082	507,101,277	4,452,090	373,070,338
1948	6,063,646	582,346,842	4,587,501	416,681,608
1949	6,539,969	641,459,838	4,952,283	459,039,871
1950	6,812,035	710,153,826	5,118,417	505,314,242
1951	7,225,271	824,029,649	5,359,303	574,106,206
1952	7,201,800	838,105,108	5,526,127	622,136,313
1953	7,376,526	887,858,473	5,541,197	639,079,083
1954	7,649,607	925,590,643	5,675,072	655,938,194
1955	8,000,213	981,439,247	5,989,991	694,238,977
1956	8,504,448e	n.a.	6,203,451	741,291,945

a: Weight of items of export classification for which tonnage figures are available (see note accompanying Table 62). The value figures, however, cover all exports of paper and paper products.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 66.
Imports of Wood-pulp and Paper and Paper Goods

	Wood-pulp		Paper and Paper Goods (a)
	Tons	Value	
1915	a	$ 423,331	$ 2,402,507
1916	a	552,002	3,321,569
1917	a	587,369	4,204,968
1918	a	470,516	8,480,498
1919	a	609,804	9,246,414
1920	21,142	1,940,461	14,059,046
1921	20,196	2,063,870	8,395,267
1922	17,576	1,032,528	8,295,094
1923	18,401	980,687	9,112,896
1924	24,496	1,375,991	9,327,942
1925	23,423	1,274,542	9,142,177
1926	22,938	1,211,188	10,977,946
1927	23,677	1,258,533	11,618,538
1928	22,424	1,107,801	13,260,288
1929	19,874	1,024,569	14,739,472
1930	18,526	826,862	12,907,658
1931	14,418	592,904	9,585,986
1932	13,420	462,649	6,790,363
1933	5,708	177,289	5,345,603
1934	8,205	257,782	5,503,081
1935	16,378	534,358	5,828,073
1936	19,201	617,599	6,706,408
1937	21,054	695,819	7,981,545
1938	16,979	561,474	7,520,328
1939	21,544	763,141	8,653,987
1940	19,996	814,387	8,858,180
1941	20,653	1,069,953	9,341,390
1942	21,450	1,298,521	10,675,315
1943	21,662	1,452,133	10,701,736
1944	13,747	1,100,412	12,156,601
1945	14,510	1,166,078	13,376,067
1946	14,471	1,290,956	18,834,089
1947	28,326	3,068,086	23,027,200
1948	33,004	3,799,597	17,212,565
1949	35,432	3,963,086	20,207,068
1950	36,583	3,692,274	23,433,530
1951	36,416	4,546,204	34,831,145
1952	54,589	5,499,093	29,920,960
1953	43,384	5,099,802	39,208,074
1954	51,691	5,849,899	43,558,314
1955	59,636	6,996,204	52,690,400
1956	63,904	8,117,220	62,217,354

a: Quantity not available.

Source: Dominion Bureau of Statistics.

Table 67.
Production by Provinces 1955

Provinces	Pulpwood Cords *	Woodpulp Tons	Paper and Board Tons
Quebec	7,071,351	4,491,139	3,789,087
Ontario	3,627,950	2,602,298	2,225,109
British Columbia	1,746,317	1,363,761	725,096
Other Provinces (a)	2,931,662	1,693,349	1,260,921
Canada	15,377,280	10,150,547	8,000,213

a: Newfoundland, Nova Scotia, New Brunswick, Manitoba and Alberta.

* Rough or unpeeled wood, apparent production.

Source: Dominion Bureau of Statistics.

Table 68.
Products of Newfoundland's Pulp and Paper Mills
(Finished products for sale)

This table is included for reference purposes only. Since Confederation with Canada in 1949, Newfoundland figures have been incorporated into the Canadian totals.

Calendar Year	Newsprint & Sideruns Tons	Sulphite Pulp Tons	Mechanical Pulp Tons	Sundries* Tons	Total Production Tons
1938	268,625	885	—	323	269,833
1939	308,530	5,975	—	326	314,831
1940	361,703	26,647	6,432	361	395,143
1941	360,930	44,470	14,806	657	420,863
1942	283,358	62,970	29,025	1,386	376,739
1943	239,882	47,007	38,502	4,393	329,784
1944	278,159	27,005	44,161	7,404	356,729
1945	344,573	37,014	14,237	4,337	400,161
1946	374,993	17,952	—	4,528	397,473
1947	387,097	43,020	468	4,144	434,729
1948	397,983	54,899	3,228	3,867	459,977

* Includes mill wrappers, sheathing paper, sulphite wrapping for local use.

Source: Newfoundland Department of Natural Resources.

Table 69.

Pulp and Paper Exports and Canadian Trade

	Pulp and paper Exports	Total domestic exports of Canada	Pulp and paper exports to total exports — %	Trade Balance
1919	$ 97,168,278	$1,235,958,483	7.86	$348,778,322
1920	163,127,988	1,268,014,533	12.86	— 38,758,816
1921	108,644,620	800,149,296	13.58	14,665,274
1922	115,863,742	880,408,645	13.16	131,814,604
1923	140,798,453	1,002,401,467	14.05	112,955,801
1924	139,491,469	1,029,699,449	13.55	234,108,594
1925	154,555,951	1,239,554,207	12.47	361,472,800
1926	173,491,635	1,261,241,525	13.76	268,256,906
1927	176,633,728	1,210,596,998	14.59	143,924,299
1928	192,771,615	1,339,409,562	14.39	141,470,440
1929	198,287,106	1,152,416,330	17.21	— 120,650,245
1930	177,590,222	863,683,761	20.56	— 125,331,731
1931	141,170,685	587,653,440	24.02	— 28,537,926
1932	105,253,603	489,883,112	21.48	45,299,340
1933	95,750,769	529,449,529	18.09	134,269,478
1934	113,078,565	649,314,236	17.42	142,836,731
1935	121,667,321	724,977,459	16.78	187,621,328
1936	142,108,123	937,824,933	15.15	315,318,408
1937	177,979,899	997,366,918	17.84	203,225,455
1938	140,603,514	837,583,917	16.79	171,232,779
1939	155,127,766	924,926,104	16.77	184,866,179
1940	231,809,675	1,178,954,420	19.66	111,266,873
1941	262,081,761	1,621,003,175	16.17	191,662,891
1942	253,104,957	2,363,773,296	10.71	741,224,113
1943	260,838,237	2,971,475,277	8.78	1,266,275,389
1944	278,853,306	3,439,953,165	8.11	1,724,200,415
1945	309,066,903	3,218,330,353	9.60	1,681,649,146
1946	401,458,464	2,312,215,301	17.36	411,886,445
1947	550,872,950	2,774,902,355	19.85	237,846,285
1948	628,245,992	3,075,438,085	20.43	473,083,316
1949	630,544,034	2,998,356,417	21.03	261,245,593
1950	713,869,791	3,118,386,551	22.89	— 17,180,465
1951	939,239,090	3,914,460,376	23.99	— 121,472,163
1952	913,999,811	4,301,080,679	21.25	325,492,011
1953	887,751,816	4,117,405,882	21.56	— 210,229,315
1954	927,356,199	3,881,271,854	23.89	— 146,279,616
1955	991,543,046	4,281,784,253	23.16	— 361,086,299
1956	1,045,828,442	4,789,538,018	21.84	— 846,930,954

—: Unfavourable balance.

Domestic exports cover exports of Canadian produce. In the last 20 years, domestic exports cover approximately 98 per cent or more of total Canadian exports.

Pulp and paper export figures 1919-1930 estimated by DBS from fiscal year figures.

Source: Dominion Bureau of Statistics.

Table 70.

Principal Statistics by Provinces 1955

Provinces	Mills (b) No.	Employees (a) No.	Salaries and Wages (a) $	Cost of Fuel and Electricity $	Cost of Materials Used $	Gross Value of Products $	Net Value of Products $
Newfoundland	2	3,380	15,223,920	3,848,800	26,099,089	62,615,842	32,667,953
Nova Scotia	4	1,215	4,350,655	1,458,618	7,458,206	21,084,371	12,167,547
New Brunswick	7	4,170	16,691,754	7,594,885	43,175,866	94,402,945	43,632,194
Quebec	55	27,082	111,707,145	43,719,497	228,491,407	560,899,722	288,688,818
Ontario	41	19,108	83,226,439	24,874,091	167,312,533	401,749,103	209,562,479
Manitoba & Alberta	4	599	2,465,585	1,224,401	4,631,783	16,815,696	10,959,512
British Columbia	12	6,651	31,632,621	8,320,481	68,910,308	169,370,459	92,139,670
Canada	125	62,205	265,298,119	91,040,773	546,079,192	1,326,938,138	689,818,173

(a) Woods workers not included.

(b) See footnote in Table 73.

Source: Dominion Bureau of Statistics.

Table 71.

Exports of Canadian Products to the United States

	1954	%	1955	%	1956	%
Pulp	$ 206,435,403	8.9	$ 233,796,779	9.1	$ 304,536,497	10.8
Newsprint*	559,404,624	24.2	579,395,965	22.7	709,651,529	25.2
Other paper and paper products	11,418,487	.5	15,856,974	.6	31,640,416	1.1
	$ 777,258,514	33.6	$ 829,049,718	32.4	$1,045,828,442	37.1
Wood, wood products and paper	$1,107,411,466	47.9	$1,221,026,401	47.7	$1,248,955,722	44.3
Animals and animal products	183,721,301	7.9	181,456,628	7.1	177,468,261	6.3
Non-ferrous metals and their products	383,957,032	16.6	443,689,529	17.3	489,982,570	17.4
Agricultural and vegetable products	213,324,705	9.2	160,528,464	6.3	199,334,471	7.1
Iron and its products	164,229,905	7.1	225,314,722	8.8	260,664,644	9.2
Non-metallic minerals and their products	98,413,470	4.3	149,439,625	5.8	224,839,607	8.0
Chemicals and allied products	85,910,461	3.7	111,724,460	4.4	130,751,575	4.6
Fibres, textiles and textile products	10,719,922	.5	10,257,038	.4	11,304,171	.4
Miscellaneous commodities	65,114,754	2.8	55,905,975	2.2	75,392,014	2.7
Total, excluding gold	$2,312,803,016	100.	$2,559,342,842	100.	$2,818,693,035	100.

* Includes mutilated newsprint valued at $770,949 in 1954, $1,073,547 in 1955, and $1,266,707 in 1956.

Source: Dominion Bureau of Statistics.

Table 72.
Pulp and Paper Production and the National Income

	Gross Production of Industry	Gross National Product † (a) '000,000	Net Production of Industry (b)	Net National Income † (a) '000,000
1926	$ 215,370,274	$ 5,294	$109,580,404	$ 4,185
1927	219,329,753	5,647	110,492,354	4,417
1928	233,077,236	6,105	120,039,858	4,823
1929	243,970,761	6,166	122,288,583	4,789
1930	215,970,761	5,546	107,959,927	4,283
1931	174,733,954	4,560	88,166,297	3,333
1932	135,648,729	3,767	67,121,459	2,630
1933	123,415,492	3,552	57,289,643	2,452
1934	152,647,756	4,034	77,696,593	2,897
1935	159,325,546	4,345	79,199,741	3,188
1936	183,632,995	4,701	86,406,163	3,487
1937	226,244,711	5,355	106,002,017	4,062
1938	183,897,503	5,233	89,034,186	4,018
1939	208,152,295	5,707	103,123,660	4,373
1940	298,034,843	6,872	158,230,575	5,263
1941	334,726,175	8,517	174,852,041	6,663
1942	336,697,277	10,539	164,500,420	8,337
1943	344,411,614	11,183	164,244,088	9,043
1944	369,846,086	11,954	174,492,103	9,826
1945	398,805,515	11,850	180,401,885	9,840
1946	527,814,916	12,026	258,164,578	9,821
1947	706,971,628	13,768	356,084,900	10,985
1948	825,857,664	15,613	412,770,470	12,560
1949	836,148,393	16,462	423,375,527	13,194
1950	954,137,651	18,203	511,142,983	14,550
1951	1,237,897,470	21,474	679,257,743	17,138
1952	1,157,887,657	23,255	584,101,072	18,326
1953	1,179,665,443	24,473	599,934,934	19,133
1954	1,241,558,451	24,336	641,410,070	18,794
1955	1,326,938,138	26,916*	689,818,173	20,740*

* Preliminary figures.

† Includes Newfoundland since 1949. In 1948, the last year before accession, Newfoundland's Gross National Product was about $175 million.

All National Income figures from 1926 have been compiled on a revised basis in December, 1951. Figures for years prior to 1926 are not comparable.

a: The "national income" is the total of all incomes earned by Canadians in the production of goods and services during the calendar year. The "gross national product" is the market value of all goods and services produced by Canadians. It is obtained by adding to the national income two items which are not "income" but which are part of the final cost of all goods and services — namely, allowances for depreciation of plant and equipment, and indirect taxes less subsidies.

b: The "net value of production" or value added by manufacture is computed by subtracting the cost of fuel and electricity as well as the cost of materials from the gross value of the products.

The figures for the years prior to 1926, when the National Income figures were compiled on a different basis and for which the gross National product figures are not available, were as follows:

	Gross Production of Industry	Net Production of Industry	National Income
1921	$151,003,165	$73,765,200	$3,507
1922	158,950,956	81,258,232	3,671
1923	184,821,511	95,076,985	3,847
1924	179,259,504	89,629,253	3,865
1925	193,092,937	99,071,212	4,239

Source: Dominion Bureau of Statistics.

Table 73. Growth of Industry

	Pulp and Paper Mills (a)	Total Employees	Total Production
1871	21	760	$ 1,071,651
1881	41	1,588	2,509,993
1891	58	2,817	3,633,257
1901	53	6,236	8,627,557
1911	72	9,766	23,226,479
1921	100	24,619	151,003,165
1931	103	26,669	174,733,954
1941	106	37,154	334,726,175
1945	109	39,996	398,804,515
1946	113	44,967	527,814,916
1947	115	49,946	706,971,628
1948	117	51,924	825,857,664
1949	123	52,050	836,148,393
1950	123	52,343	954,137,651
1951	126	57,291	1,237,897,470
1952	128	57,803	1,157,887,657
1953	127	58,194	1,179,665,443
1954	125	60,837	1,241,558,451
1955	125	62,205	1,326,938,138b

a: Number of mills operated during year.

b: Includes products other than pulp or paper valued at $249,617.

Note: At the close of 1956 there were altogether 129 pulp and paper mills in Canada, which were active during all or part of the year. This total includes two asbestos paper mills which, for statistical purposes report in the Asbestos Products industry only.

Manufacturers of moulded pulp products and of laminated, coated or impregnated papers and paperboards are classed in the Paper Goods industry or in the Roofing Paper industry only, unless they produce the pulp or paper used, in which case separate returns are made covering pulp and paper manufacture and paper conversion.

Source: Dominion Bureau of Statistics.

Table 74.
Operations of Mills

	No. of mills 1955
Groundwood, bleached	4
Groundwood, unbleached	72
Mechanical screenings	20
Soda pulp	1
Bleached sulphite (dissolving)	7
Bleached sulphite (paper pulp)	15
Unbleached sulphite (strong)	14
Unbleached sulphite (news grade)	31
Sulphite screenings	26
Sulphate pulp, bleached	6
Sulphate pulp, semi-bleached	5
Sulphate pulp, unbleached	13
Sulphate screenings	3
Semi-chemical pulp	5
Defibrated and exploded pulps	11
Newsprint	44
Groundwood printing and specialty papers	9
Book paper	10
Fine papers	11
Miscellaneous fine papers	11
Tissue paper other than sanitary	11
Sanitary paper	13
Special industrial papers	8
Wrapping papers	21
Building papers	12
Paperboard	39
Building boards	10
Wet machine boards	2

Note: Most mills make two or more products. There were in all 125 active mills in 1955. (See footnote in Table 73)

Source: Dominion Bureau of Statistics.

Table 75.
Mill Locations

	Pulp Mills	Pulp & Paper Mills	Paper Mills	Total
Newfoundland	—	2	—	2
Nova Scotia	2	2	—	4
New Brunswick	4	3	—	7
Quebec	12	33	10	55
Ontario	7	19	15	41
Manitoba	—	3	—	3
Alberta	—	1	—	1
British Columbia	6	6	—	12
Canada	31	69	25	125

Note: See footnote in Table 73.

Source: Dominion Bureau of Statistics.

Table 76.
Capital Expenditures

For the year 1946 to 1956, annual surveys of the Department of Trade & Commerce, covering some 95 per cent of the industry, show the following capital expenditures:

Year	Millions of $
1946	49.5
1947	77.7
1948	79.3
1949	71.8
1950	68.6
1951	108.9
1952	115.6
1953	91.9
1954	69.0
1955	118.3
1956	241.3*
	1,091.9

* Preliminary.

The foregoing figures do not include capital expenditures made on the woodlands nor, of course, expenditures for maintenance and renewals.

Table 77. Employees and Wages

	Total Employees	Employees On Salary	Total Salaries Paid	Average Salary	Employees On Wages	Wages Paid	Total Average Wage	Wage Index (a)	Consumer Price Index (b)	Total Salaries & Wages
1920	31,298	2,669	$ 6,536,579	$ 2,449	28,629	$ 38,717,314	$ 1,352	47.4	90.5	$ 45,253,893
1921	24,611	2,353	6,363,304	2,704	22,258	27,835,786	1,251	43.9	80.9	34,199,090
1922	25,830	2,608	6,326,635	2,426	23,222	26,592,320	1,145	40.1	74.9	32,918,955
1923	29,234	2,820	7,069,196	2,507	26,414	31,313,649	1,185	41.5	75.2	38,382,845
1924	27,627	2,993	6,938,659	2,318	24,634	30,710,869	1,247	43.7	74.0	37,649,528
1925	28,031	2,971	6,816,191	2,294	25,060	31,744,714	1,267	44.4	74.6	38,560,905
1926	31,279	3,099	7,492,040	2,418	28,180	36,683,462	1,302	45.7	75.9	44,175,502
1927	32,876	3,174	8,093,830	2,550	29,702	37,580,463	1,265	44.4	74.6	45,674,293
1928	33,614	3,507	8,713,671	2,485	30,107	38,608,977	1,282	45.0	75.0	47,322,648
1929	34,202	3,738	9,391,901	2,513	30,464	40,822,544	1,340	47.0	75.8	50,214,445
1930	33,207	3,532	9,538,588	2,701	29,675	36,236,388	1,221	42.8	75.3	45,774,976
1931	26,669	3,170	7,858,839	2,479	23,499	26,933,174	1,146	40.2	67.9	34,792,013
1932	24,561	3,112	7,240,125	2,327	21,449	21,108,003	984	34.5	61.7	28,348,128
1933	24,037	2,920	6,464,510	2,214	21,117	20,193,032	956	33.5	58.8	26,657,542
1934	26,993	3,174	7,148,763	2,252	23,819	26,158,280	1,098	38.5	59.6	33,307,043
1935	27,836	3,290	7,827,961	2,379	24,546	28,065,352	1,143	40.1	59.9	35,893,313
1936	29,478	3,372	7,927,690	2,351	26,106	31,512,384	1,207	42.3	61.1	39,440,074
1937	33,205	4,044	9,561,449	2,364	29,161	39,196,346	1,344	47.1	63.0	48,757,795
1938	30,943	4,263	10,823,536	2,539	26,680	31,795,775	1,192	41.8	63.7	42,619,311
1939	31,016	4,382	10,875,243	2,482	26,634	33,862,136	1,271	44.6	63.2	44,737,379
1940	34,719	4,630	11,693,329	2,526	30,089	44,380,483	1,475	51.7	65.7	56,073,812
1941	37,154	4,970	12,924,964	2,601	32,184	50,752,854	1,577	55.3	69.6	63,677,818
1942	38,002	5,071	13,618,478	2,686	32,931	56,037,915	1,702	59.7	72.9	69,656,393
1943	37,020	5,384	14,663,655	2,724	31,636	56,535,767	1,787	62.7	74.2	71,199,422
1944	37,896	5,488	15,617,507	2,846	32,408	60,215,901	1,858	65.1	74.6	75,833,408
1945	39,996	5,981	16,766,154	2,803	34,015	63,696,490	1,873	65.7	75.0	80,462,644
1946	44,967	6,910	20,959,990	3,033	38,057	80,404,646	2,113	74.1	77.5	101,364,636
1947	49,946	7,706	26,286,577	3,411	42,240	103,191,418	2,443	85.7	84.8	129,477,995
1948	51,924	8,066	30,459,864	3,776	43,858	121,202,897	2,764	96.9	97.0	151,662,761
1949	52,050	8,243	32,784,295	3,977	43,807	124,919,573	2,852	100.0	100.0	157,703,868
1950	52,343	8,578	35,729,300	4,165	43,765	133,517,231	3,051	107.0	102.9	169,246,531
1951	57,291	9,413	44,126,918	4,688	47,878	169,042,988	3,531	123.8	113.7	213,169,906
1952	57,803	9,493	48,119,514	5,069	48,310	177,233,813	3,669	128.6	116.5	225,353,327
1953	58,194	9,394	49,932,103	5,315	48,800	185,809,557	3,808	133.5	115.5	235,741,660
1954	60,837	9,689	53,304,859	5,502	51,148	199,293,524	3,896	136.6	116.2	252,598,383
1955	62,205	9,933	55,980,812	5,636	52,272	209,317,307	4,004	140.4	116.4	265,298,119

NOTE: Woods labour not included.
a: Canadian Pulp and Paper Association figures based on: 100 equals 1949 average wage. Consumer price index: 100 equals 1949.
b: Constructed to replace Cost of Living Index.
Source: Dominion Bureau of Statistics.

Table 78. Capital, Employees, and Wages

	Capital Employed (b)	Number of Employees (a)	Capital Employed per employee	Total Salaries & Wages (a)
1920	$ 347,553,333	31,298	$11,105	$ 45,253,893
1921	379,812,751	24,611	15,433	34,199,090
1922	381,006,324	25,830	14,751	32,918,955
1923	417,611,678	29,234	14,285	38,382,845
1924	459,457,696	27,627	16,631	37,649,528
1925	460,397,772	28,031	16,425	38,560,905
1926	501,184,714	31,279	16,023	44,175,502
1927	579,853,552	32,876	17,638	45,674,293
1928	685,687,459	33,614	20,399	47,322,648
1929	644,773,806	34,202	18,852	50,214,445
1930	703,937,104	33,207	21,198	45,774,976
1931	630,176,540	26,669	24,630	34,792,013
1932	597,550,013	24,561	24,329	28,348,128
1933	559,265,544	24,037	23,267	26,657,542
1934	554,973,891	26,993	20,560	33,307,043
1935	545,572,938	27,836	19,600	35,893,313
1936	536,073,034	29,478	18,186	39,440,074
1937	570,352,287	33,205	17,177	48,757,795
1938	594,908,222	30,943	19,226	42,619,311
1939	597,908,918	31,016	19,277	44,737,379
1940	642,979,942	34,719	18,520	56,073,812
1941	678,937,841	37,154	18,274	63,677,818
1942	655,598,196	38,002	17,251	69,656,393
1943	667,458,143	37,020	18,029	71,199,422
1944	1,064,240,000	37,896	28,083	75,833,408
1945	1,169,743,000	39,996	29,246	80,462,694
1946	1,241,930,000	44,967	27,619	101,364,636
1947	1,358,133,000	49,946	27,192	129,477,995
1948	1,412,186,000	51,924	27,197	151,662,761
1949	1,449,289,000	52,050	27,844	157,703,868
1950	1,576,022,000	52,343	30,110	169,246,531
1951	1,836,460,000	57,291	32,055	213,169,906
1952	1,872,114,000	57,803	32,388	225,353,327
1953	2,110,262,000	58,194	36,263	235,741,660
1954	2,590,923,000	60,837	42,588	252,598,383
1955	2,840,000,000e	62,205	45,665	265,298,119

(a) Woods labour is not included.

(b) Figures on capital employed were compiled by the Dominion Bureau of Statistics from 1920 to 1943. Those for 1944 on are taken from "Taxation Statistics", published by the Department of National Revenue. The two series are not exactly comparable, the former excludes the value of inactive mills, timber limits, power developments, and investments, in wholly or partly owned subsidiaries and other enterprises. The latter includes such assets but does not cover pulp and paper mills operated by companies classed in other industries according to their principal or end product such as lumber, paper boxes, and roofing paper. For the years 1944-47 the figures cover only "profit" companies; since 1948 they cover both "profit" and "loss" companies. In 1954, the 86 pulp and paper companies covered had total assets of $2,590,923,000 and current liabilities of $372,374,000.

e: Estimate.

Sources: Dominion Bureau of Statistics and Department of National Revenue.

Table 79. Estimated Wages Paid and Numbers Employed in 1955

Wages		
	Mill Workers	$265,298,119
	Wood Workers*	194,599,500
		$459,897,619
Workers		
	Seasonal woods workers on manufacturers' limits east of the Rockies	166,000
	Permanent woods workers on manufacturers' limits east of the Rockies	5,000
	Woods workers in B.C., mostly permanent	5,000
	Woods workers cutting wood for sale to manufacturers	95,700
		271,700
	Mill Workers, permanent	62,205
		333,905

* Includes an estimated $68,162,000.00 to the 95,700 woods workers cutting pulpwood for sale to the mills. Includes also those working for contractors cutting pulpwood on pulp and paper company limits. The terms of pulpwood cutting contracts are of an infinite variety ranging from those in which the contractor and his men are company employees to those in which the contractor is a free agent. Some companies cut all the wood required from their own limits.

Source: Woodlands Section, Canadian Pulp and Paper Association estimate.

Table 80.
Growth in Employment and Wages

	1915	1955
Mill Workers	15,300	62,205
Wages and salaries paid	$11,000,000	$265,298,119

The average wage paid mill workers in 1955 was $4,004 while the average salary was $5,636.

Source: Dominion Bureau of Statistics.

Table 81.
Domestic Trade 1955

	Pulp and Paper	Paper
Gross value of production	$1,326,688,521	$981,439,247
Exports	991,543,046	694,238,977
For domestic market	$ 335,145,475	$287,200,270
Per cent of production retained for domestic use	25.3	29.3

Source: Dominion Bureau of Statistics.

Table 82.
Principal Expenditures 1955

Transportation†	$ 222,000,000
Chemical & mill supplies*	120,007,071
Fuel*	52,637,019
Electricity*	38,403,754
Fibre and fibre stock*	16,476,303
Purchased pulpwood**	34,714,142
Purchased wood-waste (for pulping)	6,611,643
Foods†	20,000,000
Fodder†	2,500,000
Taxes & other pay'ts to Gov'ts†	225,000,000
Wages, including woods workers**	459,897,619
	$1,198,247,551

† Canadian Pulp and Paper Association estimate.

* Dominion Bureau of Statistics figures.

** Expenditures for purchased pulpwood in 1955 totalled $102,876,142 from which has been deducted $68,162,000 covering the estimated wages paid in harvesting this wood. The latter figure is included in the $459,897,619 shown as wages. See also Table 79.

Table 83.
Purchases of Mill Supplies 1955

Chemicals, minerals, size, glue, dyes, etc.	$ 59,780,016
Pulp stones	831,292
Machine clothing (woollen felts)	13,734,200
Miscellaneous supplies	29,245,144
Mill wrapping and packing material	8,447,995
Wire mesh (fourdrinier & cylinder)	7,968,424
	$120,007,071

Source: Dominion Bureau of Statistics.

Table 84.
Fuel Purchased 1955

Quebec	$20,789,785
Ontario	15,448,151
British Columbia	6,904,387
Newfoundland, New Brunswick, Nova Scotia, Manitoba, & Alberta	9,494,696
	$52,637,019

Source: Dominion Bureau of Statistics.

Table 85.
Electricity Purchased 1955

Quebec	$22,929,712
Ontario	9,425,940
British Columbia	1,416,094
Newfoundland, New Brunswick, Nova Scotia, Manitoba, and Alberta	4,632,008
	$38,403,754

Note: In addition to purchased electricity the pulp and paper mills own hydro-electric plants which furnished 3,933,276,559 kilowatt hours of electricity to the mills in 1955.

Source: Dominion Bureau of Statistics.

Table 86.
Car Loadings and Revenue Freight Carried

	Car Loadings Calendar Year 1956		Revenue Freight* Carried Calendar Year 1955	
	Carloads	%	Tons	%
Pulp and paper	261,135	5.93	9,369,148	5.59
Pulpwood	189,534	4.30	5,967,009	3.56
	450,669	10.23	15,336,157	9.15
Other forest products	311,050	7.07	11,683,807	6.97
	761,719	17.30	27,019,964	16.12
Agricultural Products				
Grain	454,903	10.33	17,834,229	10.64
Grain Products	132,816	3.02	4,862,746	2.90
Other Agricultural Products	76,875	1.75	4,600,915	2.74
	664,594	15.10	27,297,890	16.28
Animal Products	97,559	2.21	2,064,078	1.23
Mineral Products				
Coal	267,488	6.07	18,086,836	10.79
Coke	26,628	.60	1,884,387	1.12
Ores and Concentrates	415,097	9.43	25,211,721	15.04
Non-ferrous Metals	35,904	.82	2,101,869	1.25
Agricultural Implements, Tractors, Automobiles, Trucks & Parts	104,453	2.37	2,378,034	1.42
Machinery, Boilers, Castings and other Iron & Steel Products	114,916	2.61	6,070,323	3.62
Gasoline, Fuel Oil and other Petroleum Products	350,299	7.96	10,409,891	6.21
Sand, Gravel, Stone, Cement, Plaster, Lime, Brick, Tile, Sewer & Drain Pipes, and other Mineral Products	457,274	10.39	26,920,937	16.06
	1,772,059	40.25	93,063,998	55.51
Other Products				
Sugar, Canned Goods, Beverages	58,294	1.32	2,731,623	1.63
Fertilizers	45,978	1.05	1,910,567	1.14
Miscellaneous	289,632	6.58	11,360,383	6.77
	393,904	8.95	16,002,573	9.54
Merchandise, L.C.L.	712,746	16.19	2,208,041	1.32
Total Revenue Cars Loaded	4,402,581	100.00	167,656,544	100.00

* Loaded at stations in Canada.

Note: Car loadings of pulp and paper and pulpwood in 1956 were equivalent to 715 cars and 519 cars respectively, every day in the year. A proportion of the pulpwood car loading included pulpwood for export. Deducting an estimate for pulpwood shipped abroad, the pulp and paper industry's car loadings of pulpwood and finished products were equivalent to almost nine trains of 100 cars daily. Annual loadings of pulpwood for the mills and of finished products would thus fill a train 2,800 miles in length. In addition, the pulp and paper industry creates a vast rail traffic of coal, chemicals, and other supplies required for the operations at the mills and in the woods.

Source: Compiled by C.P.P.A. from monthly D.B.S. Memoranda.

Table 87.

Payrolls and Weekly Earnings in Important Industries 1955

Industry	Average Number of Employees	Average Weekly Payrolls	Average Weekly Earnings
Pulp & Paper	63,284	$5,069,281	$80.05
Non-ferrous metal products*	54,913	3,974,175	72.34
Chemical products**	55,211	3,852,103	69.75
Meat products	24,209	1,599,359	66.06
Shipbuilding & repairing	20,779	1,352,554	65.07
Automobiles, parts & accessories	53,206	4,023,745	75.62
Electrical apparatus & supplies	76,398	5,207,696	68.13
Primary iron & steel	32,561	2,484,599	76.13
Rubber products	21,156	1,373,580	64.90
Aircraft & parts	38,022	2,859,003	75.46

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper payrolls do not include woods workers.

* Includes the manufacture of non-ferrous metal products, as well as the smelting and refining of non-ferrous metals.

** Includes all classes of chemical manufactures.

Source: Dominion Bureau of Statistics.

Table 88.

Power Utilization

in 000's of kwh including off-peak power

	1953	1954	1955
Generated by Central Electric Stations for			
Pulp and paper industry	10,442,102	11,186,717	11,128,402
Other industries	26,855,002	26,603,339	29,165,560
Mining companies	2,566,641	2,731,016	2,963,675
Domestic customers (homes and farms)	9,877,727	11,280,513	12,759,657
Commercial customers	3,881,423	4,210,156	4,703,909
Street lighting	379,815	406,609	461,722
Export	2,424,030	2,718,308	4,433,460
Line losses and unaccounted for	6,434,187	6,799,782	7,294,207
	62,860,927	65,936,440	72,910,592
Generated for own use by			
Pulp and paper industry	4,273,112	4,456,098	3,933,277
Other industries	2,628,331	3,172,267	n.a.
Mining companies	215,337	398,488	463,860
Total electricity generated	69,977,707	73,963,293	n.a.
Less: Exports	2,424,187	2,718,308	4,433,460
Line losses, etc.	6,434,187	6,799,782	7,294,207
	61,119,333	64,445,203	n.a.
Plus: Imports	180,637	119,024	158,562
Canadian consumption	61,299,970	64,564,227	n.a.

n.a.: Not available.

Note: The power consumption of the pulp and paper mills accounts for over 25 per cent of all the power generated by central electric stations for industry and for mining. Of the power generated by industry for its own use, the pulp and paper mills accounted for 61.9 per cent in 1953 and 58.4 per cent in 1954. Of the total consumption of electricity in Canada, the pulp and paper mills accounted for 24 per cent in 1953 and 24.2 per cent in 1954. There are several single paper mills which alone consume more electric power than all the domestic customers in Montreal combined, indeed which use more power than is required to provide light for the city and all its residents. There are single pulp and paper mills which use half as much power as that consumed by all the industries in the Montreal area.

Source: Dominion Bureau of Statistics.

Table 89.

Exports 1956

Ex gold in millions of dollars

	Value	%
Forest products	$1,514.8	31.63
Agricultural & vegetable products	974.4	20.34
Animals & animal products	260.2	5.43
All others	2,040.1	42.60
	$4,789.5	100.00

Source: Dominion Bureau of Statistics.

Table 90.

Canadian Exports 1956

Ex gold in millions of dollars

Wood, Wood Products, and Paper			$1,514.8
Pulp and Paper		$1,045.8	
Pulp	$304.5		
Newsprint	709.7		
Other Paper	28.4		
Paper Goods	3.2		
Books and Printed Matter		4.9	
Pulpwood		49.8	
Planks and Boards		326.4	
Other Wood Products		87.9	
Agricultural and Vegetable Products			974.4
Wheat		512.5	
Other Grains		128.3	
Flour of Wheat		71.5	
Alcoholic Beverages		72.4	
Other Vegetable Products		189.7	
Animals and Animal Products			260.2
Iron and its Products			458.9
Iron Ore		144.4	
Vehicles, chiefly of iron		46.4	
Farm Implements and Machinery		67.5	
Other Machinery		47.1	
Ferro-alloys		21.2	
Other Iron and Steel Products		132.3	
Non-ferrous Metals and their Products			913.7
Chemicals and Allied Products			228.6
Non-metallic Minerals and their Products			292.1
Fibres, Textiles and Textile Products			22.6
Miscellaneous Commodities			124.2
			$4,789.5

Source: Dominion Bureau of Statistics.

Table 91.

Pulp and Paper, and Mining 1956

Gross value of pulp and paper production		$1,400,000,000e
Mineral production of Canada		
Gold	$150,808,010	
Other metallics	983,546,360	
Coal, gas, peat, petroleum	514,850,071	
Other non-metallics	171,241,069	
Clay products, cement, lime, stone, sand & gravel	247,253,586	
		$2,067,699,096

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics, preliminary estimate.

Table 92. Ten Leading Canadian Manufacturing Industries 1955

	Selling Value of Factory Shipments		Value Added by Manufacture		Salaries and Wages		Employment	
	'000 $	Rank(a)	'000 $	Rank(b)	'000 $	Rank(b)	No.	Rank(b)
Pulp and Paper	1,326,938*	1	689,818	1	265,298	1	62,205c	1
Non-ferrous Metal Smelting and Refining	1,211,716	2	444,005	2	118,189	6	28,606	5
Petroleum Products	1,045,000p	3	369,357p	3	57,900p	9	13,336p	10
Motor Vehicles	907,411	4	269,602	6	134,662	4	33,429	3
Slaughtering and Meat Packing	804,468	5	178,571	8	83,007	7	23,655	6
Sawmills	644,483*	6	296,940	4	152,557	2	58,586	2
Primary Iron and Steel	526,318	7	291,793	5	136,879	3	32,507	4
Butter and Cheese	427,092	8	103,070	10	56,671	10	20,444	9
Aircraft and Parts	354,315*	9	208,800	7	130,269	5	23,036	8
Miscellaneous Electrical Products	325,061	10	159,117	9	82,125	8	23,292	7

* Gross value of production.

a: Rank in Canadian Manufacturing Industries as a whole.

b: Rank among ten leading industries listed.

c: Covers only mill workers; the inclusion of the men permanently employed in the woods places pulp and paper further ahead.

p: Preliminary.

Source: Dominion Bureau of Statistics.

Table 93. Gross Value of Canadian Production

	1954 '000 $	1955 '000 $
PRIMARY PRODUCTION:		
Agriculture	2,537,259	2,826,173e
Wheat	*383,445*	*618,275e*
All grains (including wheat)	*872,748*	*1,270,669e*
Forestry	2,590,667	2,837,456e
Operations in the woods	*776,921*	*850,134e*
Fisheries (excluding Nfl'd)	223,146	197,624e
Trapping	9,839	17,424e
Mining	2,086,609	2,668,541e
Mineral production	*1,488,382*	*1,795,311e*
Electric Power	505,526	560,383e
Less Duplication (forest production on farms)	—155,450	—160,491e
Total, Primary Production	7,797,596	8,947,110e
SECONDARY PRODUCTION:		
Manufactures	17,554,527	19,469,013e
Construction	4,723,367	5,285,551e
Less Duplication in Manufactures	—2,996,533	—3,453,045e
Total, Secondary Production (See Notes below)	19,281,361	21,301,519e
Grand Total	27,078,957	30,248,629e
MANUFACTURES:		
Paper Products	1,630,163	1,754,099
**Pulp and paper*	*1,241,559*	*1,326,938*
Paper boxes and bags	*194,243*	*213,460*
Wood Products	1,205,960	1,385,673e
**Sawmills*	*572,187*	*644,483*
Furniture (including mattresses and springs)	*232,704*	*261,551*
Sash, door and planing mills	*200,200*	*238,282*
Printing, Publishing and Allied Industries	577,355	619,829
Foods and Beverages	3,562,547	3,610,360e
Slaughtering and meat packing	*837,508*	*804,468*
Butter and cheese	*412,205*	*427,092*
Flour mills	*232,363*	*221,895*
Bread and other bakery products	*280,208*	*289,019*
**Fish processing*	*153,457*	*137,840e*
Iron and Steel Products	1,954,231	2,235,924e
Primary iron and steel	*383,154*	*526,318*
Industrial machinery	*233,670*	*248,775e*
Sheet metal products	*232,687*	*257,775e*
Transportation Equipment	1,713,963	1,950,410
Motor vehicles	*666,287*	*907,411*
Aircraft and parts	*343,011*	*354,315*
Railway rolling stock	*283,399*	*245,739*
Non-ferrous Metal Products	1,263,775	1,623,376e
**Non-ferrous metal smelting*	*922,579*	*1,211,716*
Brass and copper products	*157,908*	*216,500*
Textiles	640,870	717,214e
Cotton yarn and cloth	*194,691*	*223,209e*
Synthetic textiles and silk	*132,403*	*154,161e*
Knitting Mills	150,818	156,159e
Clothing (Textile and Fur)	650,714	674,773e
Men's factory clothing	*240,390*	*249,587e*
Women's factory clothing	*218,614*	*222,641e*
Chemicals and Allied Products	935,725	1,044,079
Acids, alkalies and salts	*142,002*	*172,256*
Paints, varnishes and lacquers	*107,727*	*117,184*
Medicinal and pharmaceutical preparations	*97,396*	*108,122*
Soaps, washing compounds, etc.	*92,526*	*100,105*
Fertilizers	*78,149*	*92,499*
Products of Petroleum and Coal	1,020,911	1,155,737e
Petroleum products	*909,252*	*1,045,000e*
Electrical Apparatus and Supplies	863,942	962,615
Non-metallic Mineral Products	435,208	515,546e
Concrete products	*102,098*	*122,392e*
Glass products	*67,988*	*80,831*
**Cement*	*62,197*	*68,813*
Abrasive products	*38,653*	*42,520*
**Clay products from domestic clay*	*32,360*	*35,260*
**Lime*	*15,489*	*16,577*
**Salt*	*9,854*	*11,869*
Leather Products	206,513	218,043
Boots and shoes	*123,244*	*125,553*
Rubber Products	264,185	322,412e
Tobacco and Tobacco Products	225,341	250,934
Miscellaneous Manufacturing Industries	202,306	283,148
Total	17,554,527	19,469,013e

* Industries included both in primary and secondary production. e: Preliminary estimates. Other figures not yet available.

Notes: Since 1952, "value of factory shipments" has replaced "gross value of products" in all manufacturing industries except Pulp and Paper, Sawmills, Veneer and Plywood, Aircraft and parts, and Shipbuilding. As inventories are relatively small in the industries for which factory shipments are used, the general comparability of the figures is not seriously affected.

The gross value of products or of factory shipments given above, is limited to the annual production of commodities, and is not comparable with "gross national product" given in Table 72, which includes transportation, communication, trade, finance, and service activities. The computation is entirely different and the "gross national product" comprises, in addition, depreciation allowances, other similar business costs, and indirect taxes less subsidies.

While the statistics of gross production are of interest, indicating the amount of revenue generated by the corporations and operators in the field, the total includes a large element of duplication: often the products of one industry become the materials of other industries. The net value of production obtained by deducting the cost of materials, fuel and electricity is a more accurate measure of the contribution to the national economy.

The value of agricultural production includes forest production on farmers' wood lots. As such products are also reported under forestry, the amount of duplication is deducted.

A survey of production must differentiate between the more important branches and at the same time present a grand total that will be free from overlapping. For example, the products of pulp and paper mills and sawmills are included in forestry production as being the first finished products of commercial value resulting from the productive process. They may, however, be classified under manufactures in view of the nature of the production process. The production of such industries is regarded both as primary and secondary, but the duplication is eliminated from the grand total.

Source: Dominion Bureau of Statistics.

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